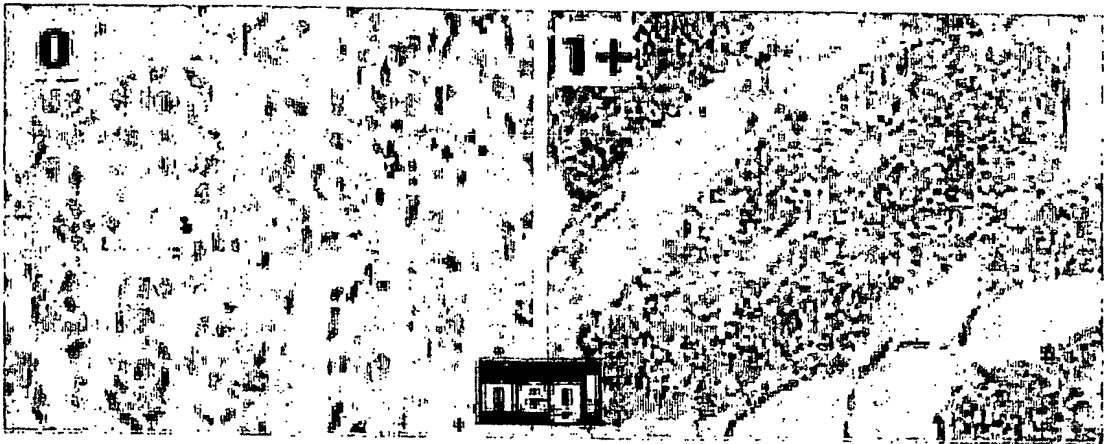


Figure 1



A

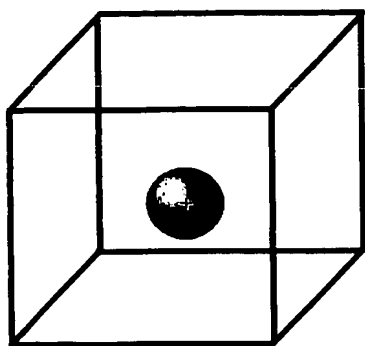
B



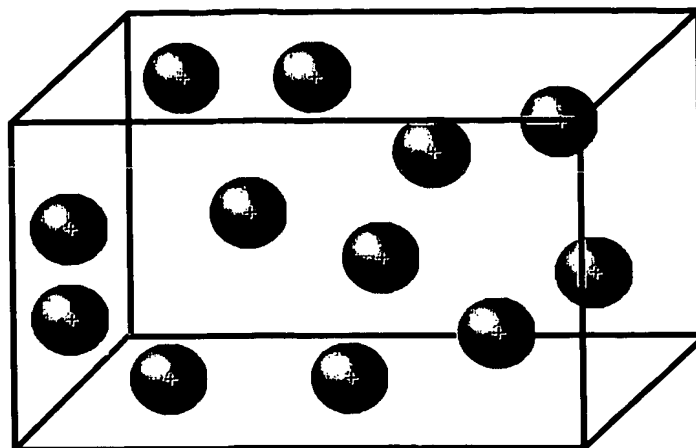
C

D

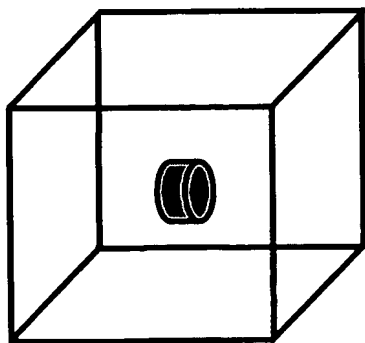
BEST AVAILABLE COPY



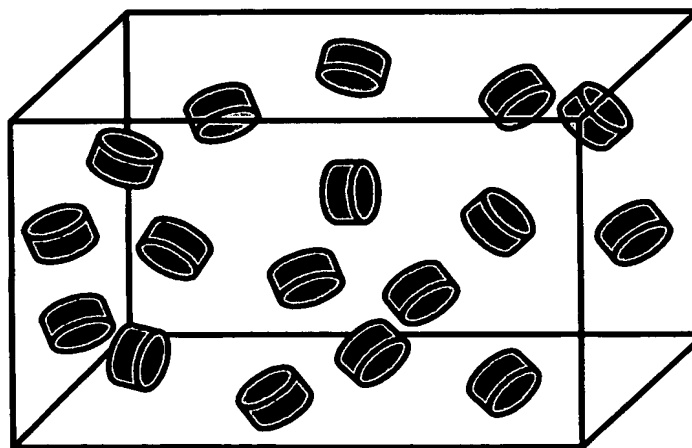
**A**



**B**

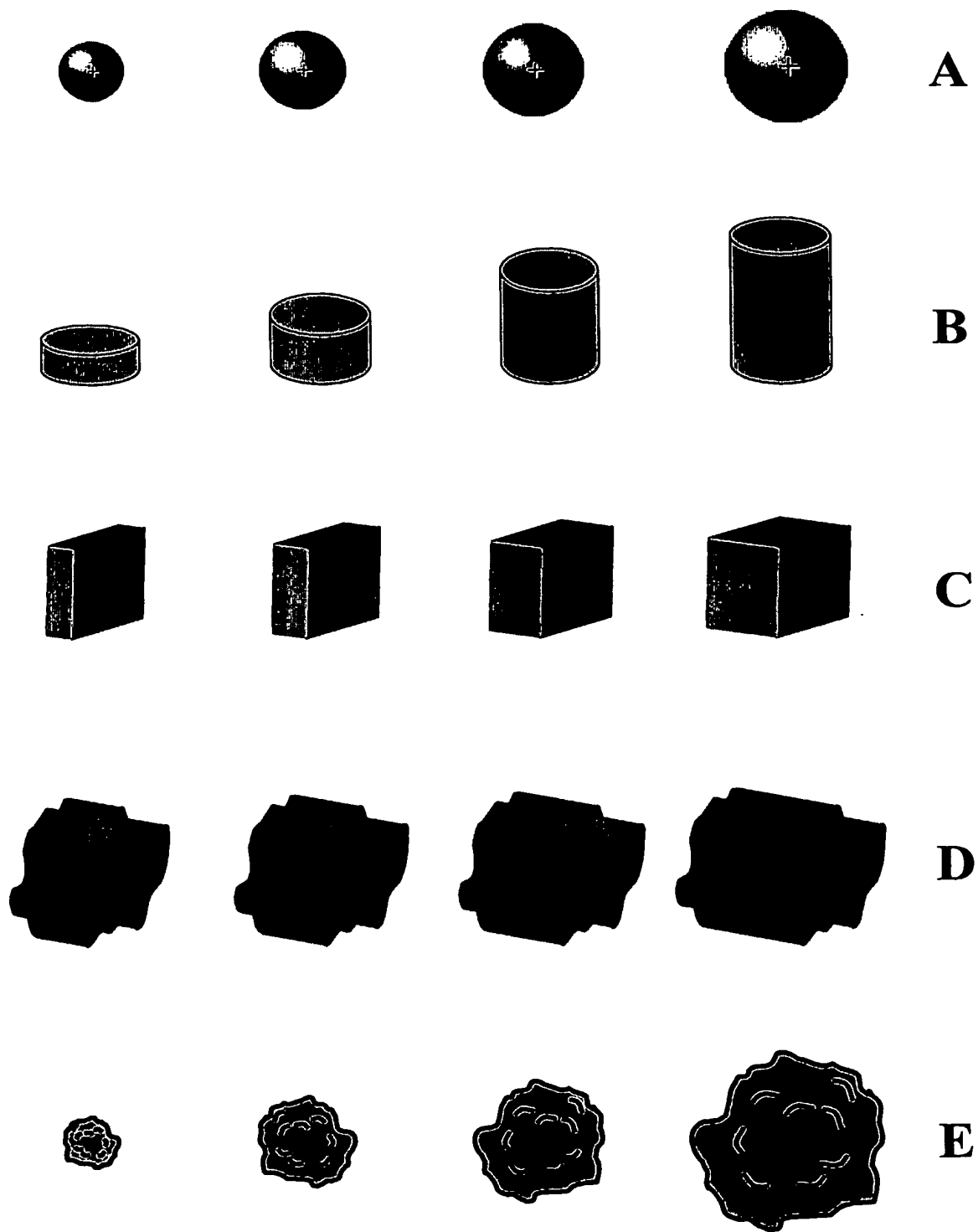


**C**



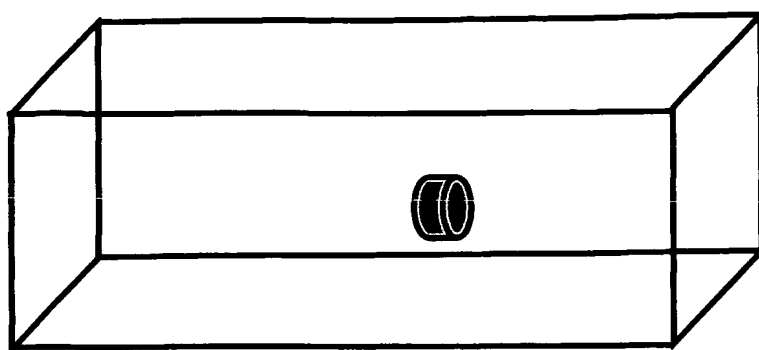
**D**

**Figure 2**

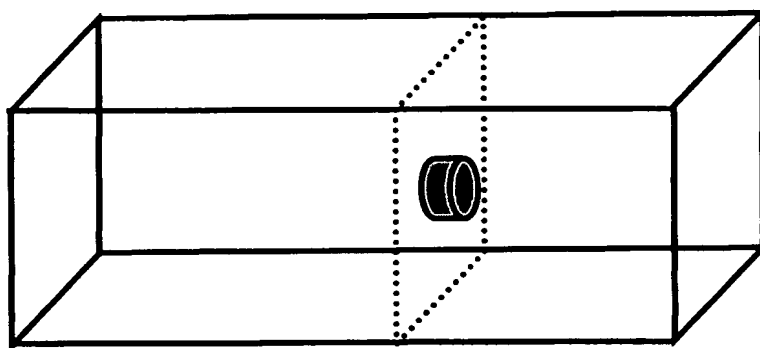


**Figure 3**

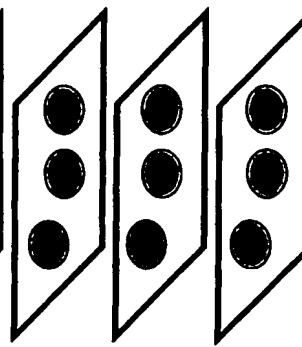
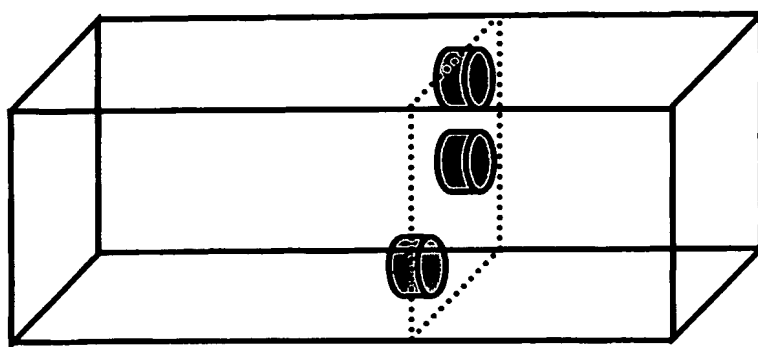
**Figure 4**



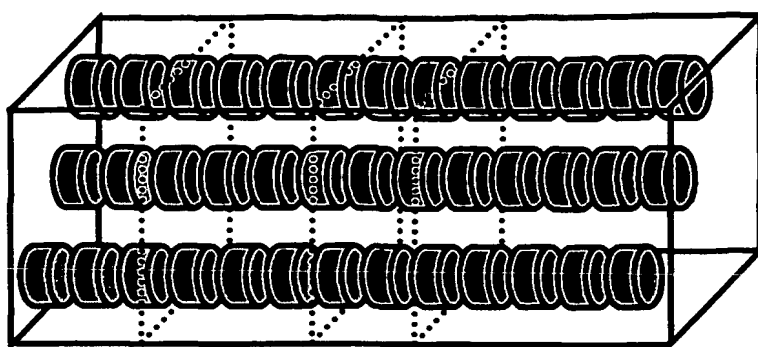
**A**



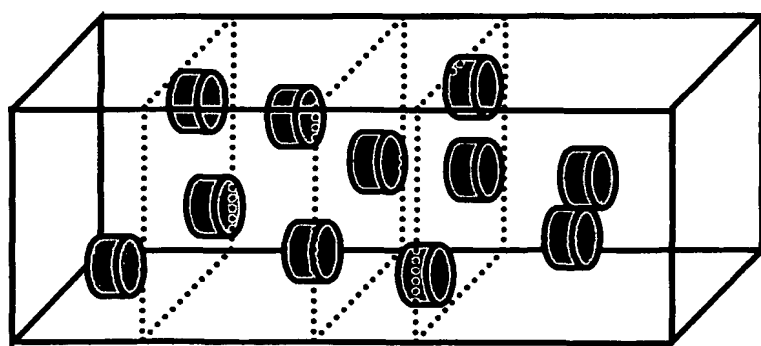
**B**



**C**

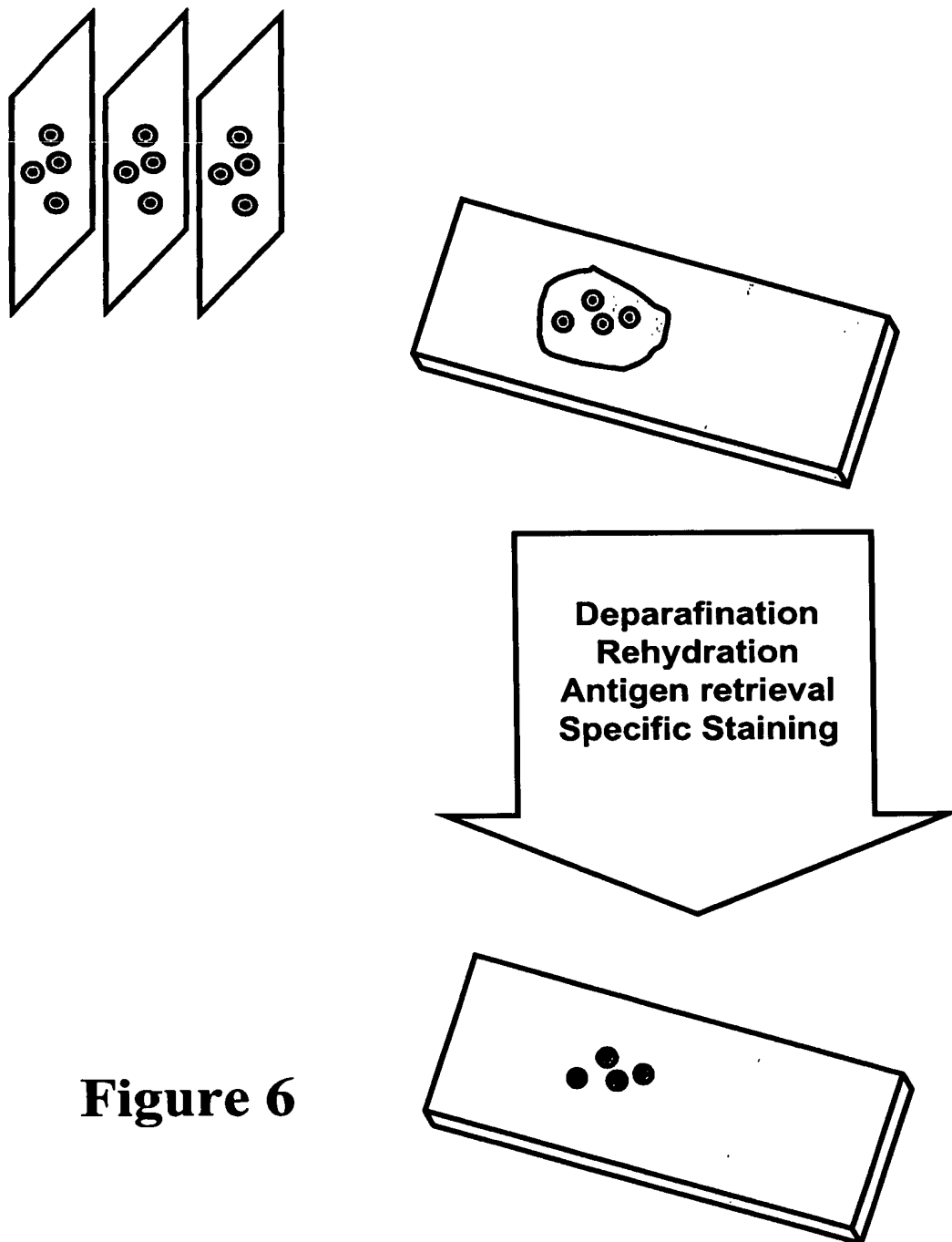


**A**

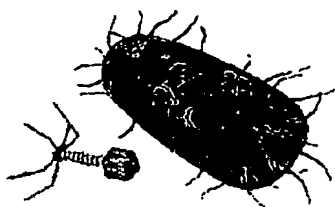


**B**

**Figure 5**



**Figure 6**



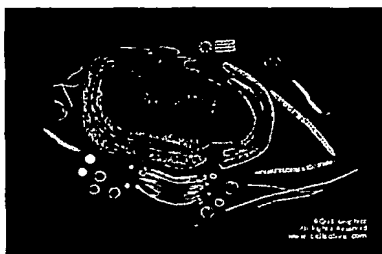
**A**



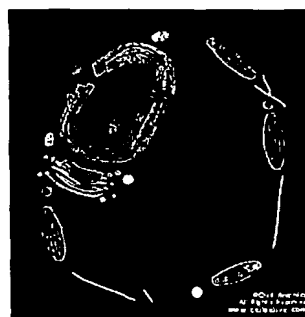
**B**



**C**

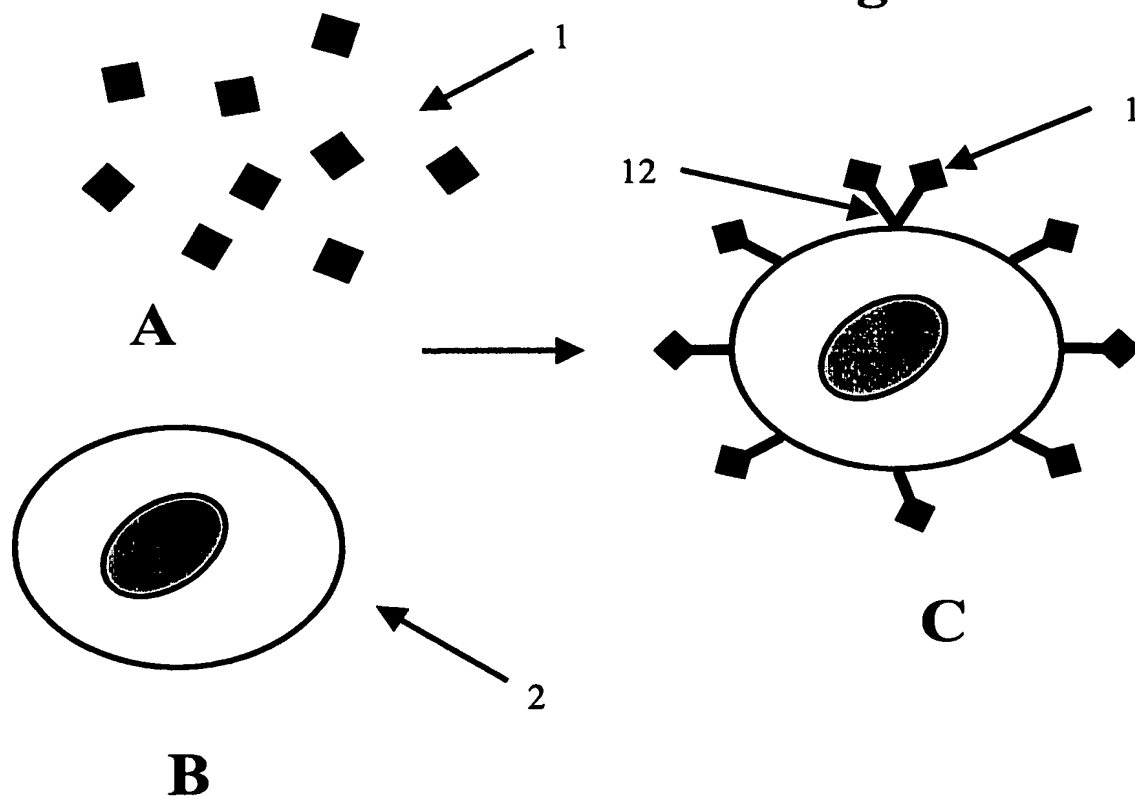


**D**



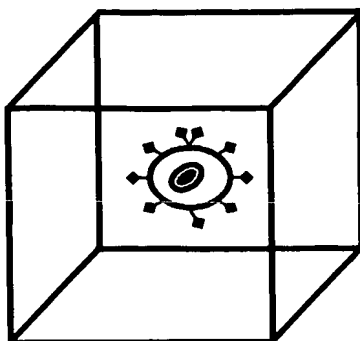
**E**

**Figure 7**

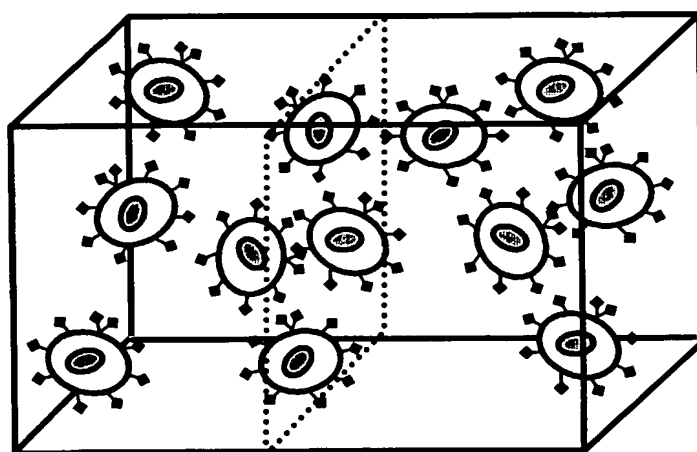
**Figure 8**



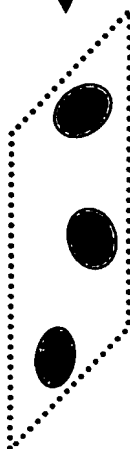
9/62



**D**

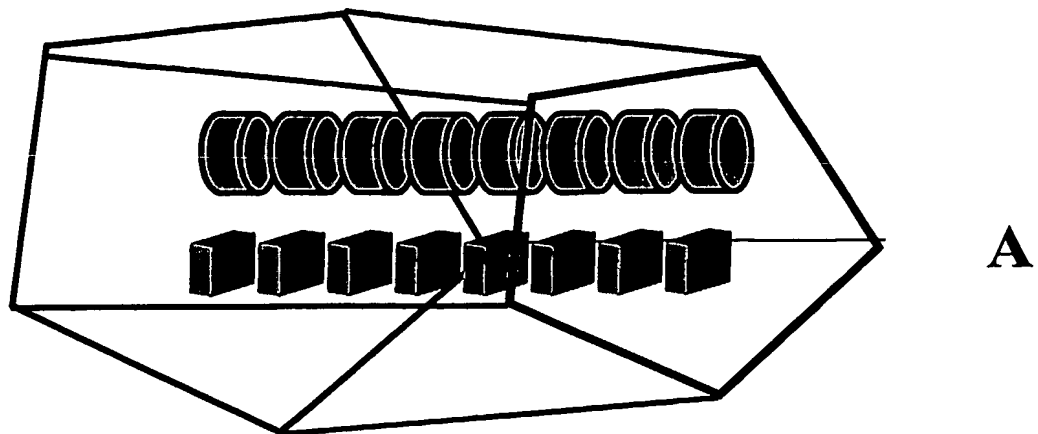


**E**

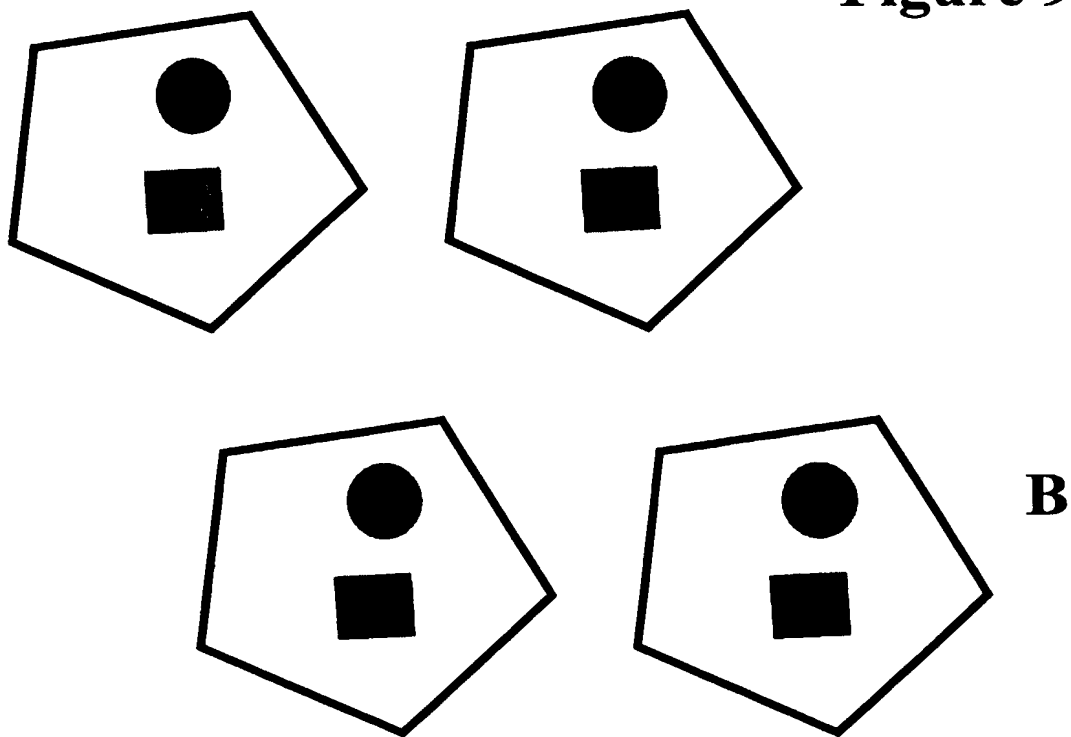


**F**

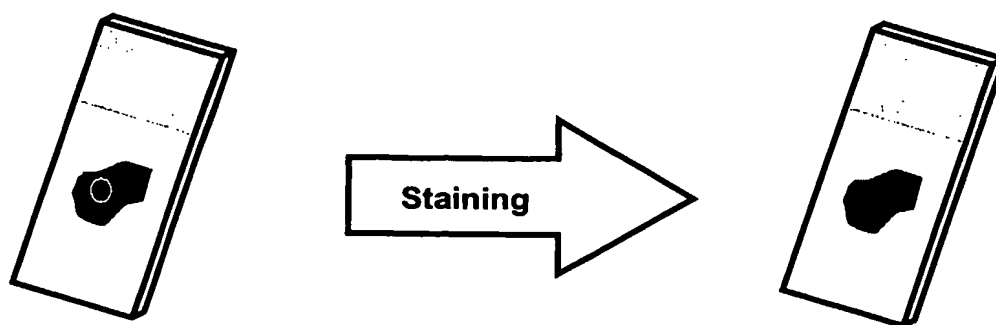
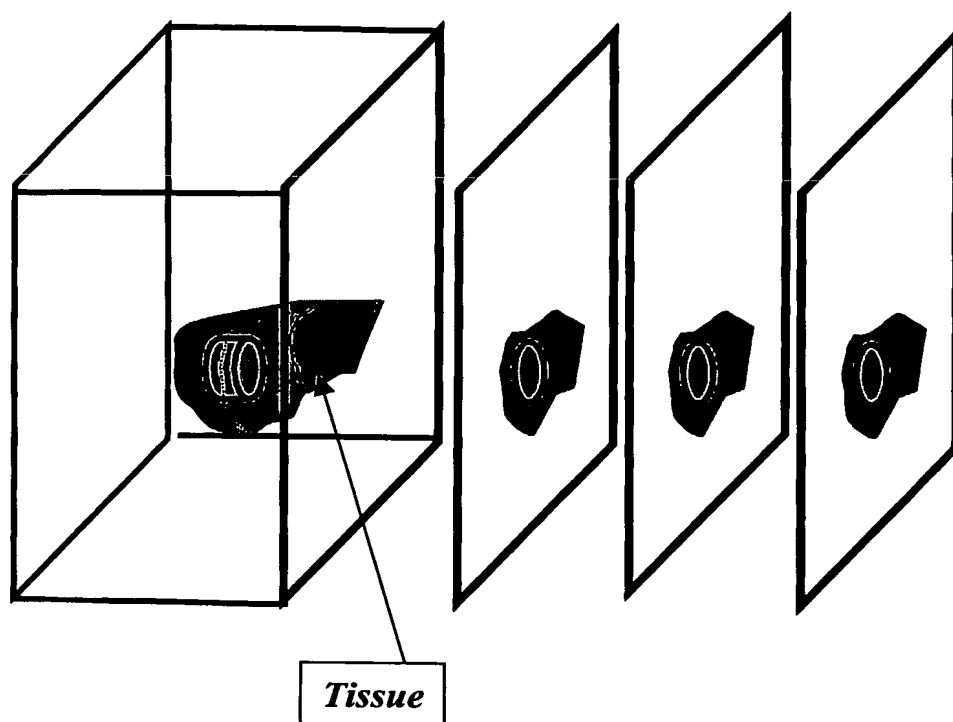
**Figure 8**



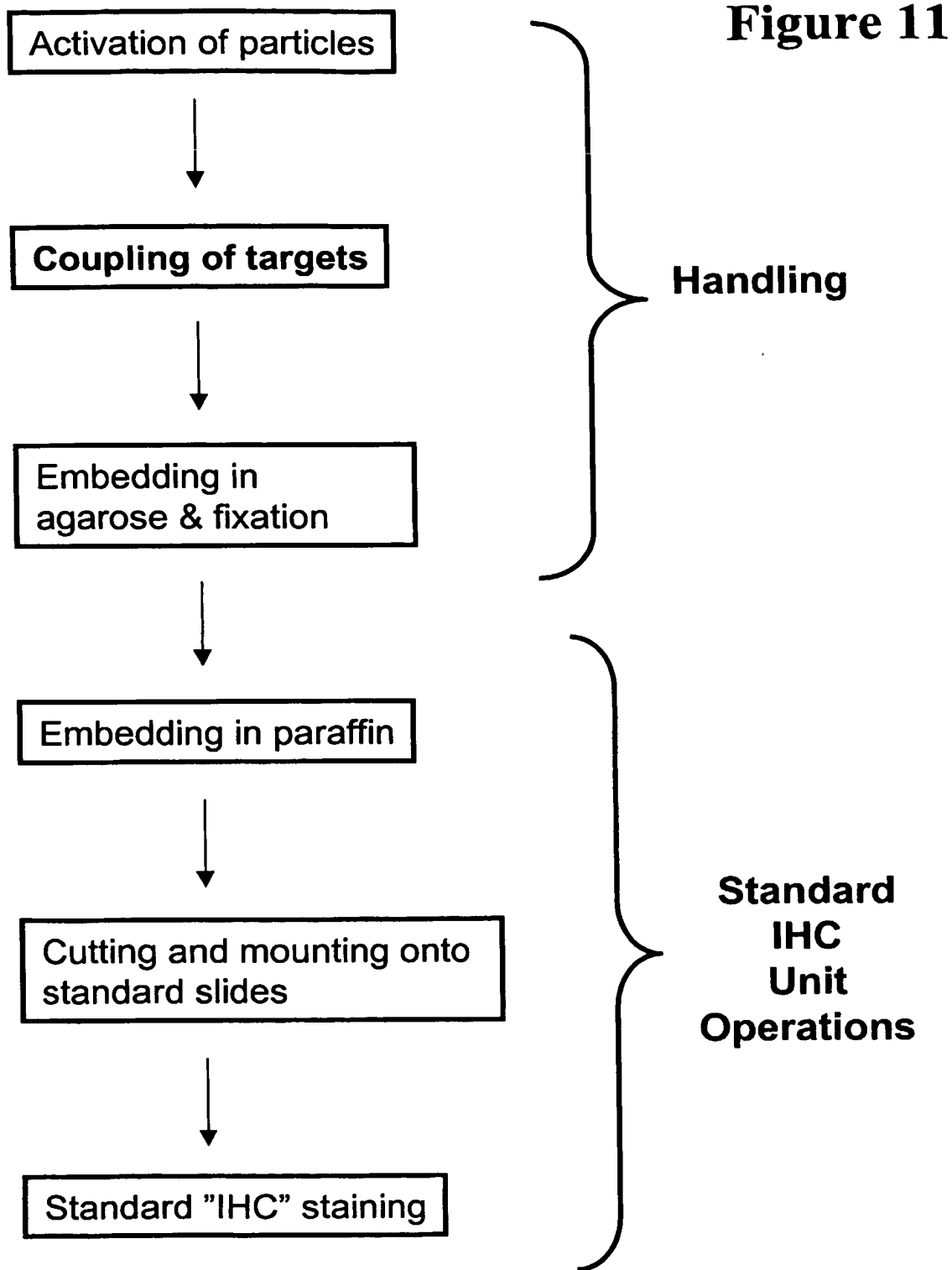
**Figure 9**



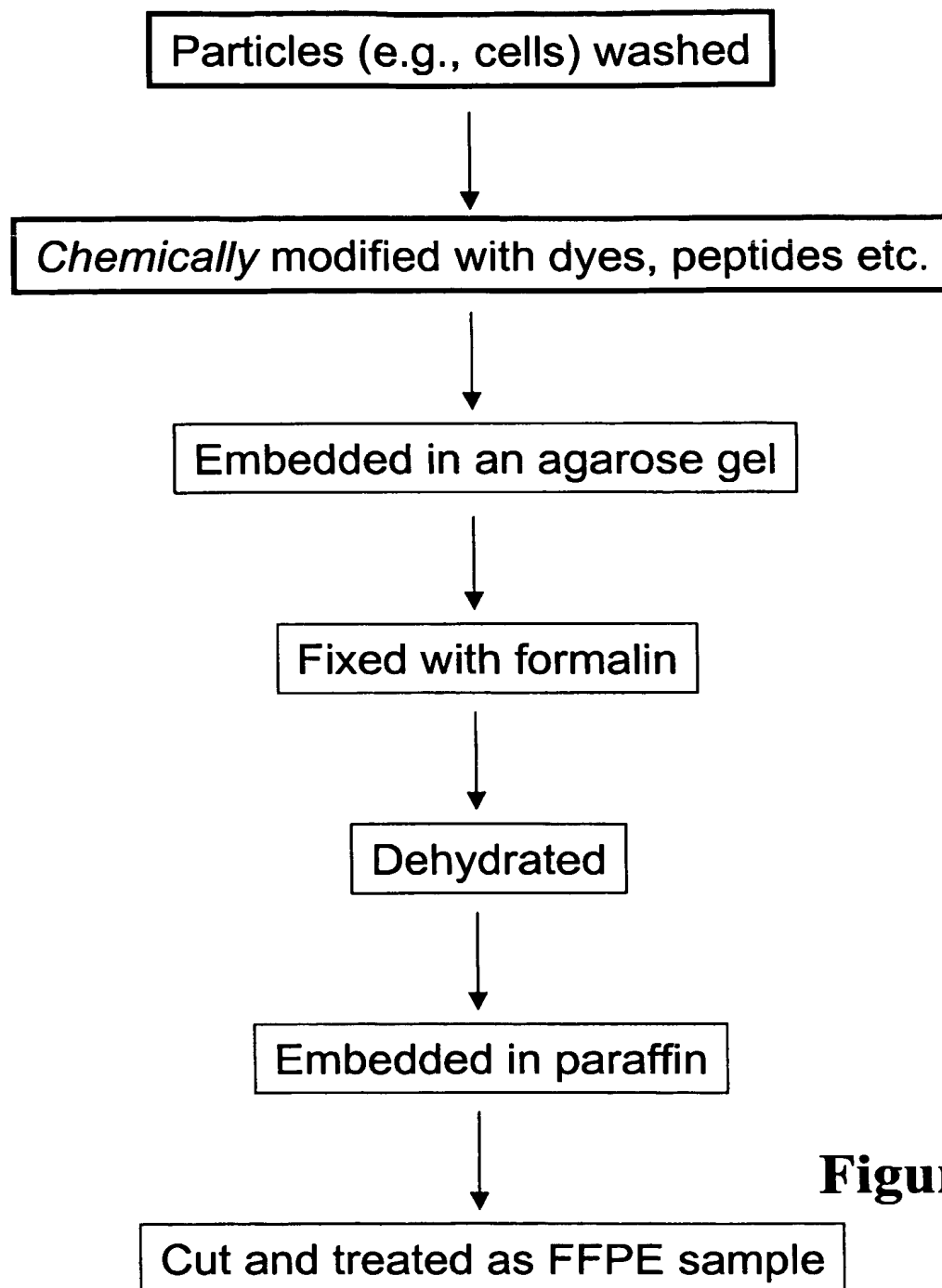
11/62

**Figure 10**

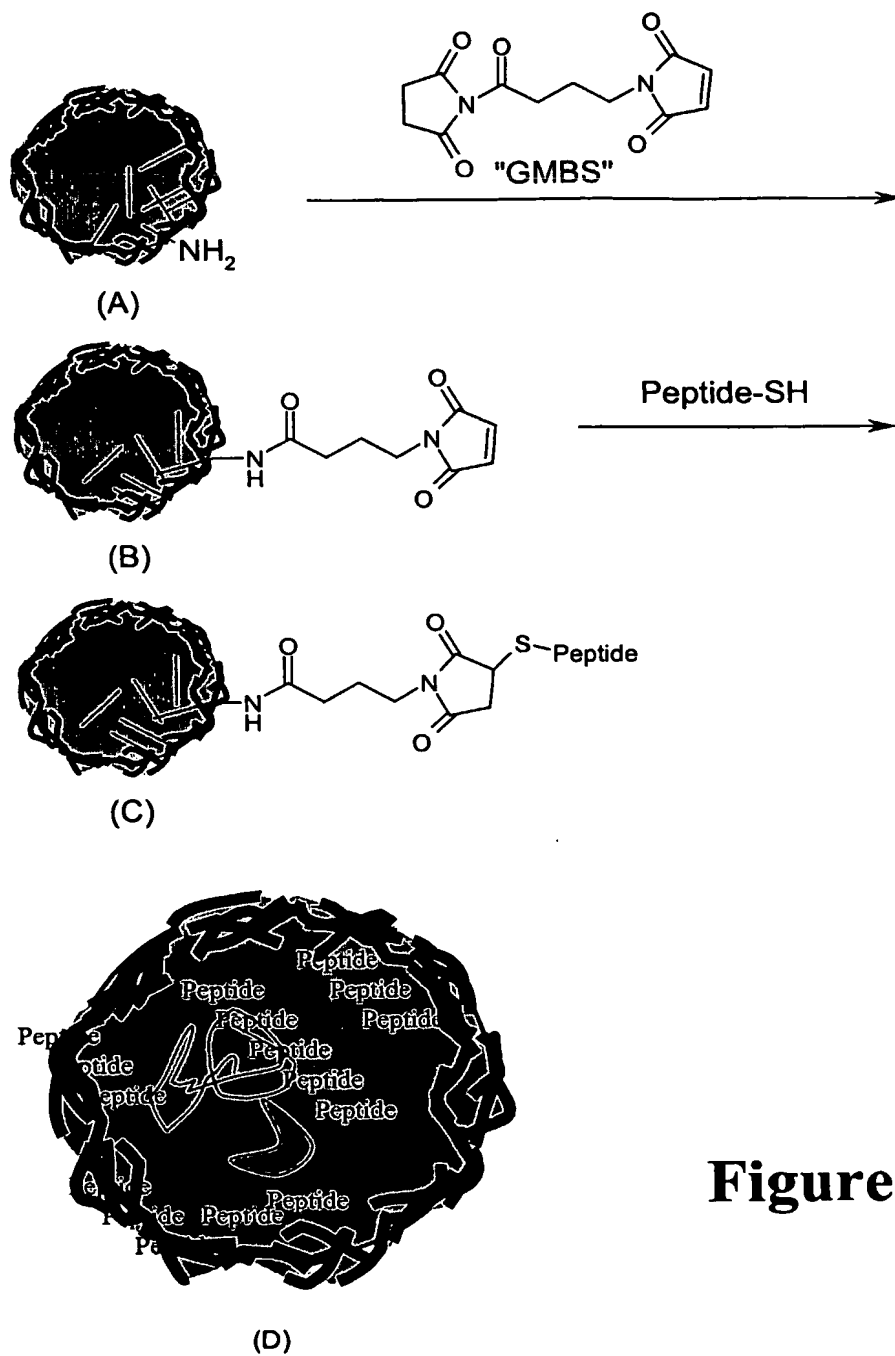
12/62

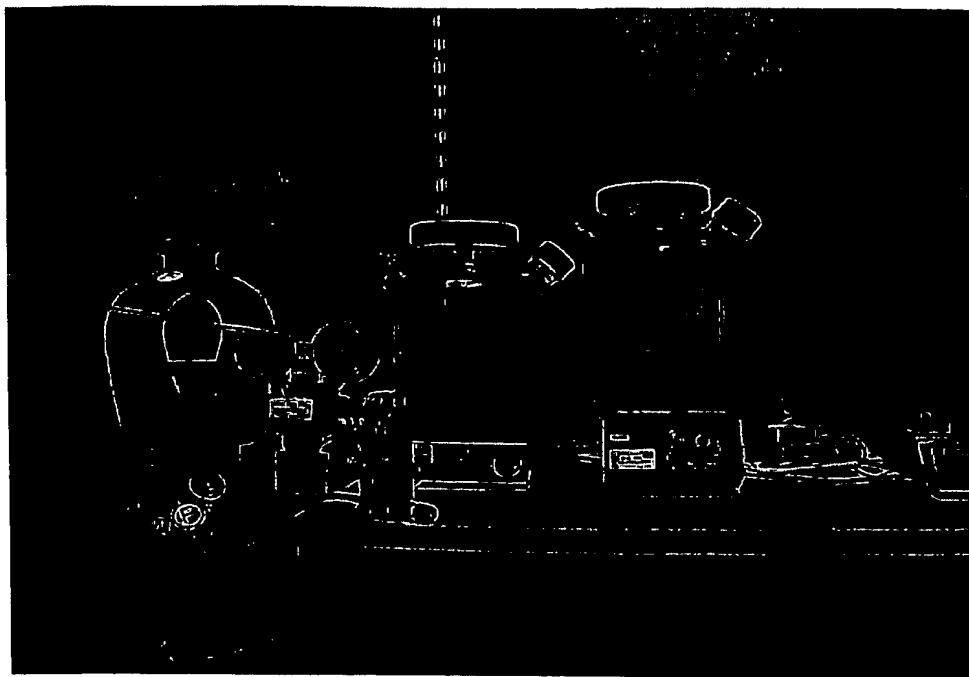


13/62

**Figure 12**

14/62

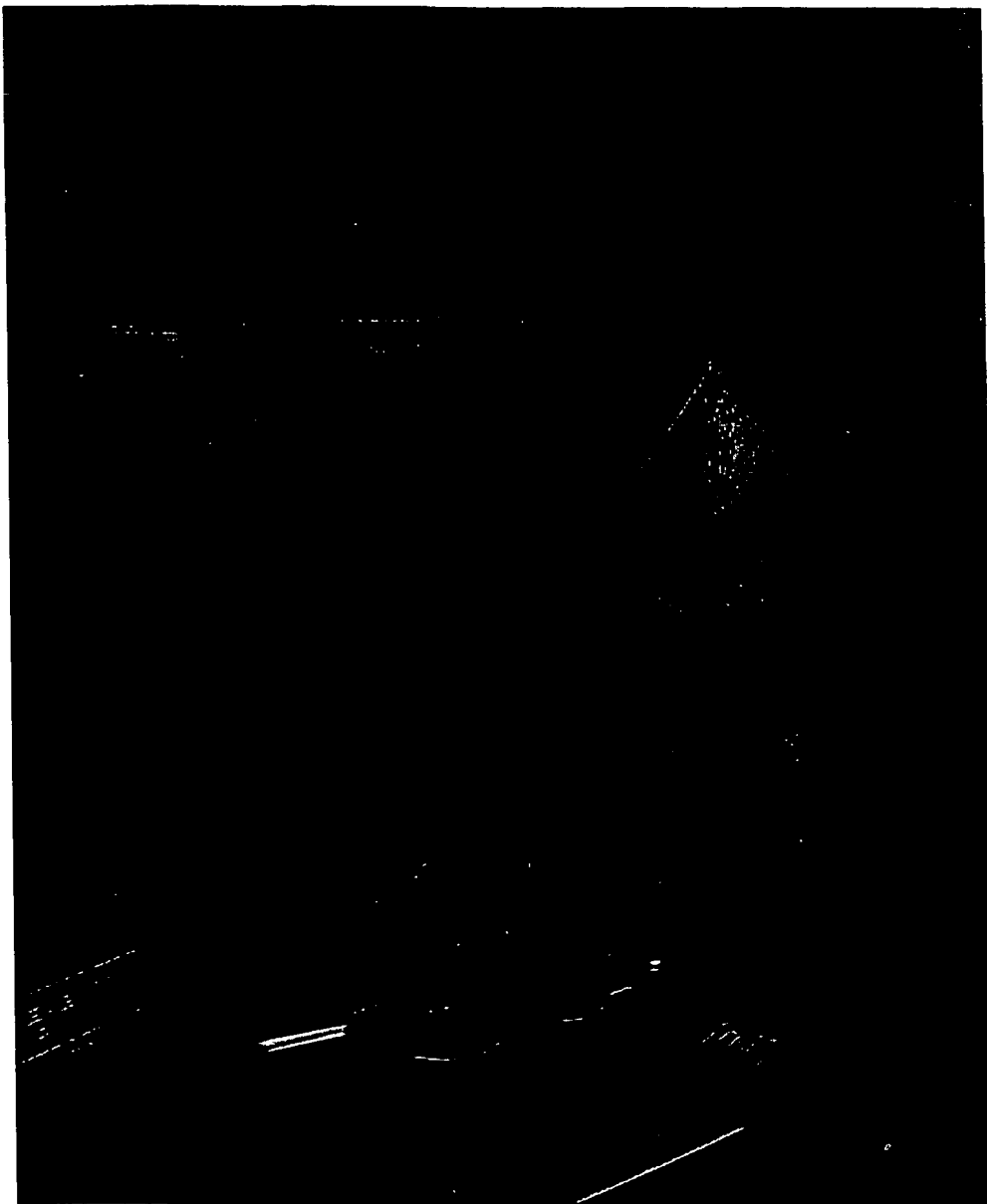
**Figure 13**



**Figure 14A**



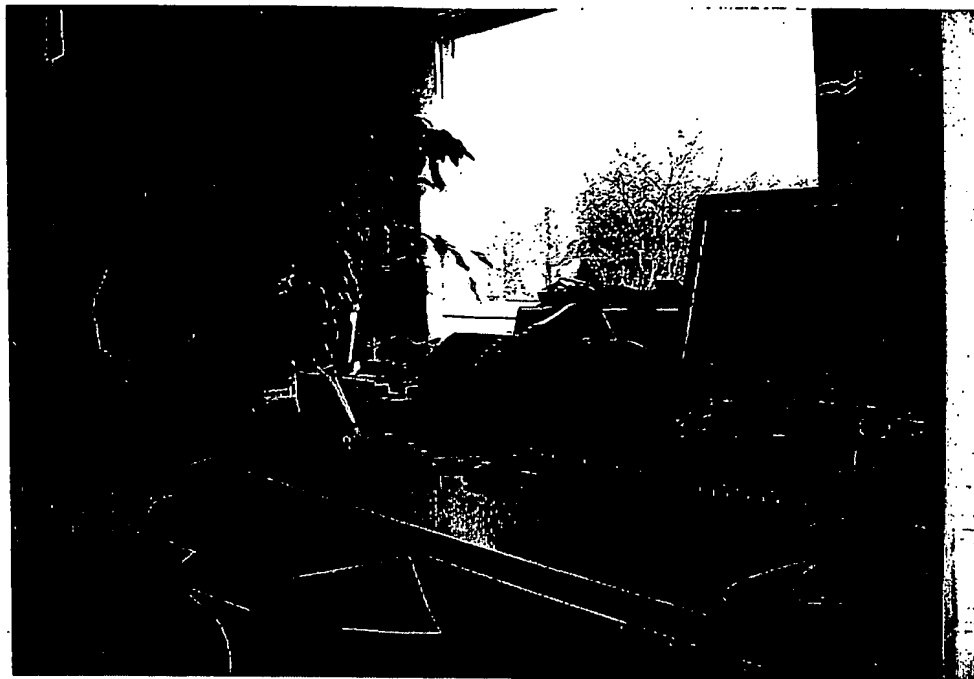
**Figure 14B**



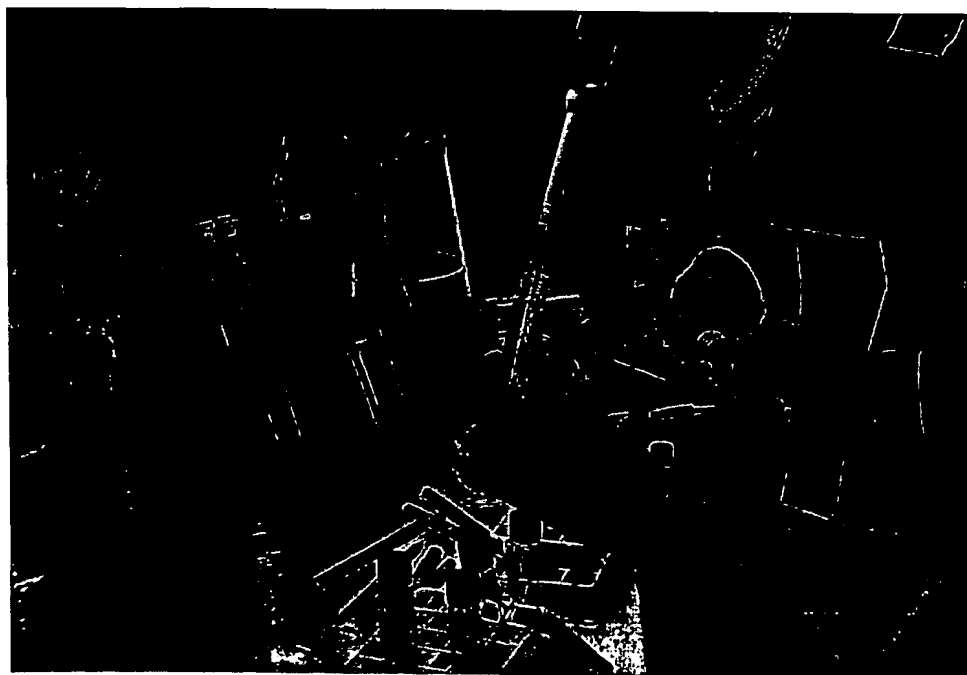
**Figure 14C**



17/62



**Figure 14D**



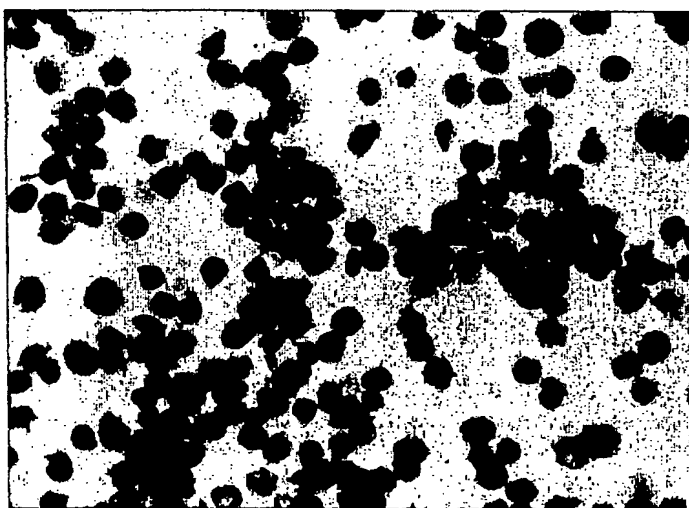
**Figure 14E**



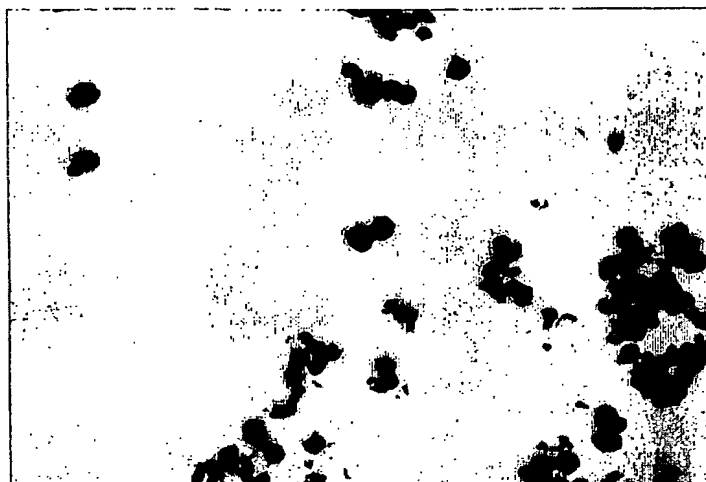
**Figure 14F**



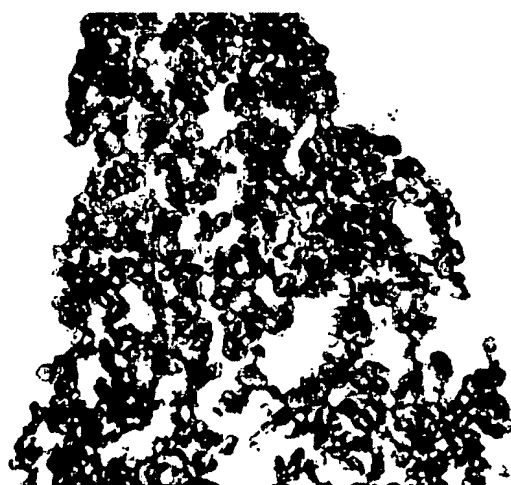
**Figure 15A**



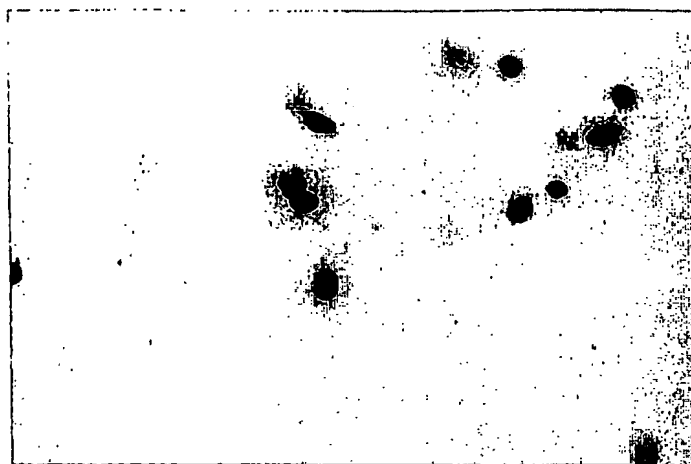
**Figure 15B**



**Figure 16**



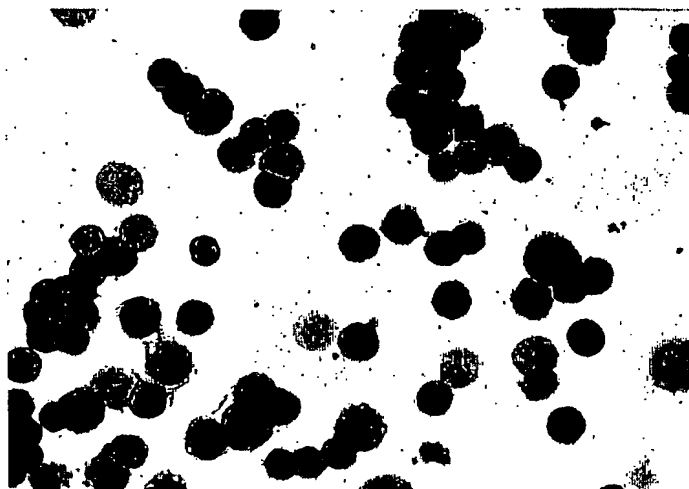
**Figure 17**



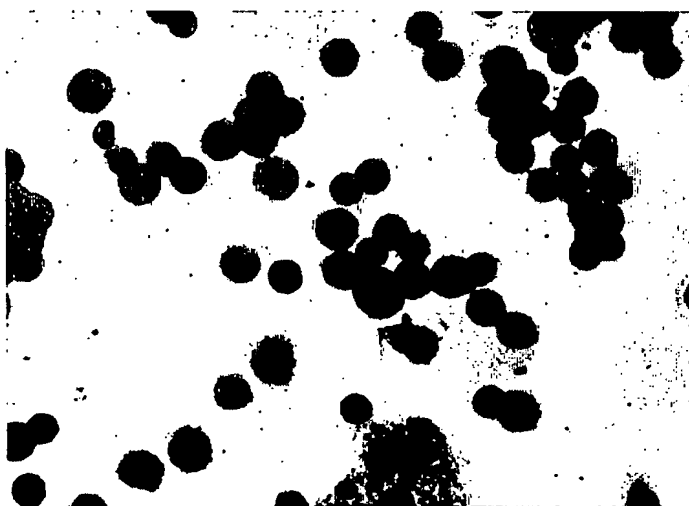
**Figure 18A**



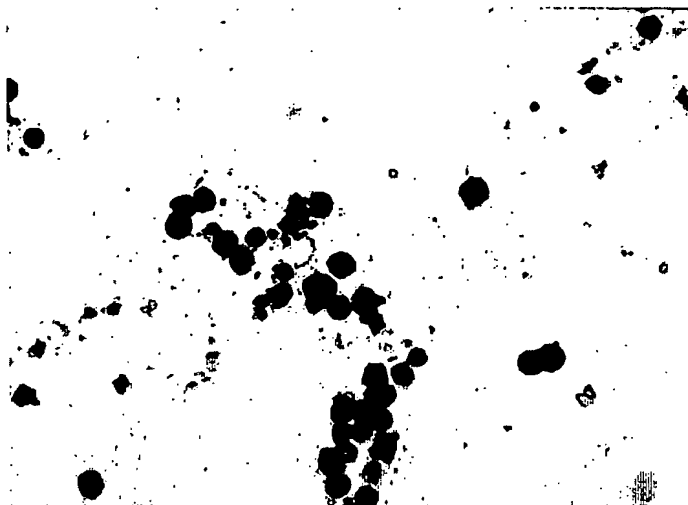
**Figure 18B**



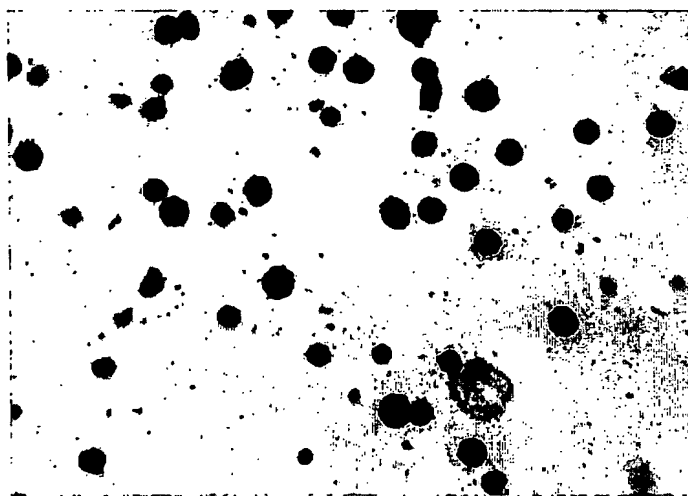
**Figure 19A**



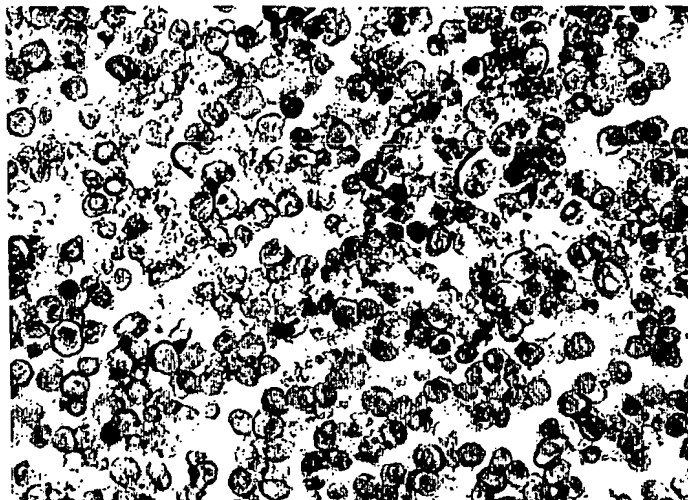
**Figure 19B**



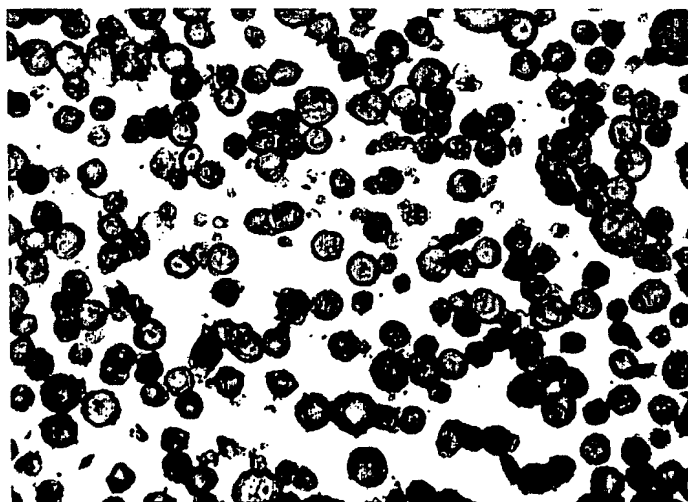
**Figure 19C**



**Figure 19D**

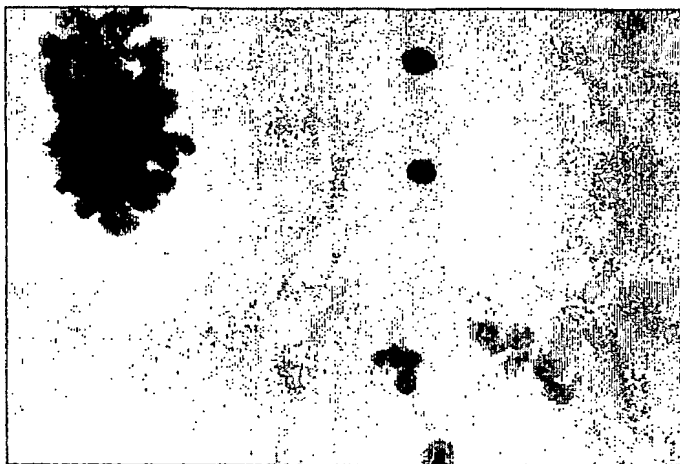


**Figure 19E**

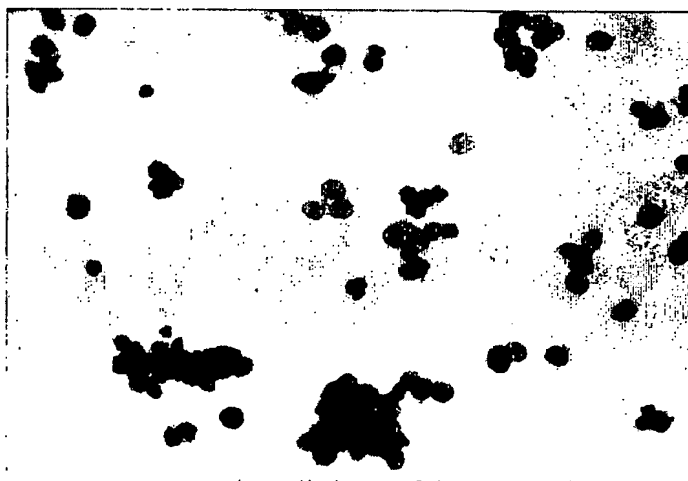


**Figure 19F**

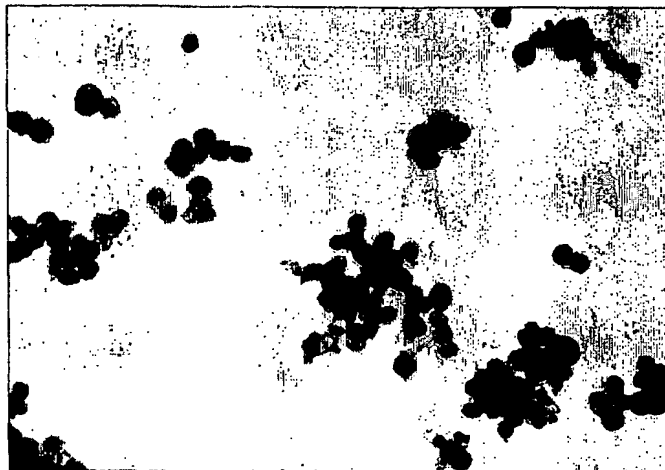




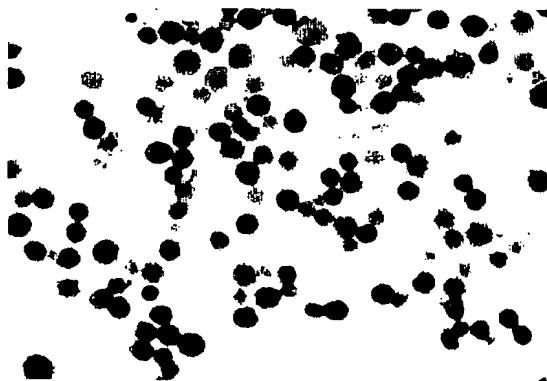
**Figure 20A**



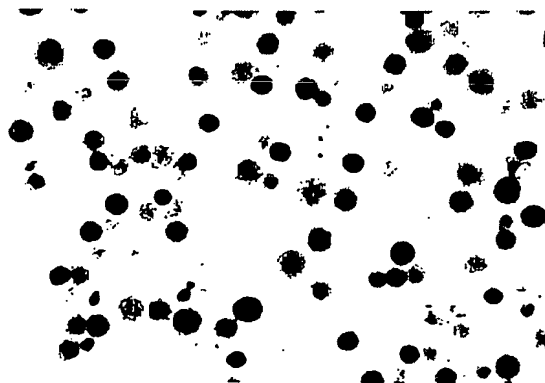
**Figure 20B**



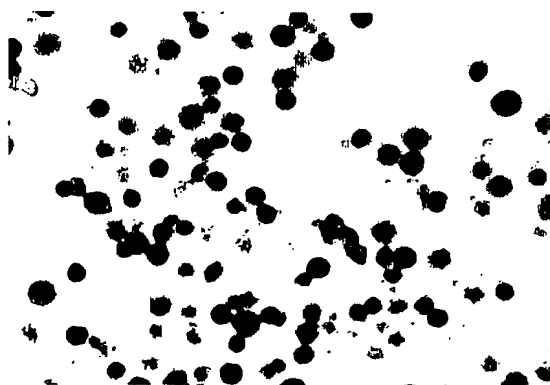
**Figure 20C**



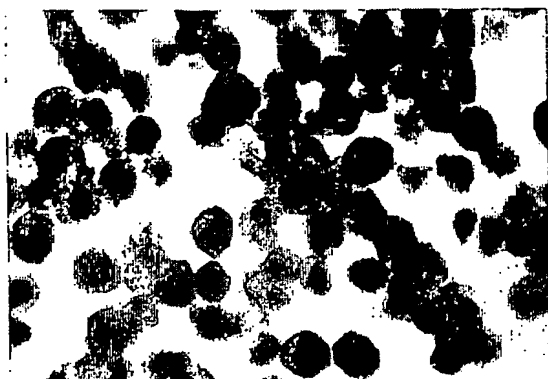
**Figure 21**



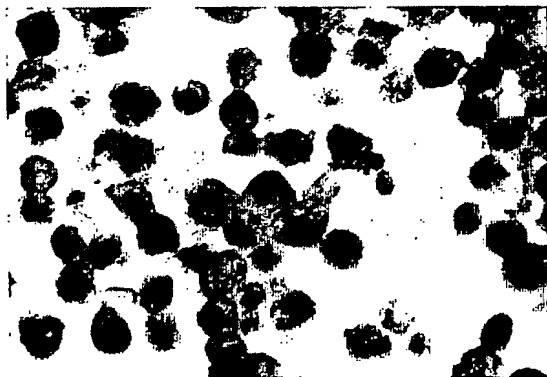
**Figure 22A**



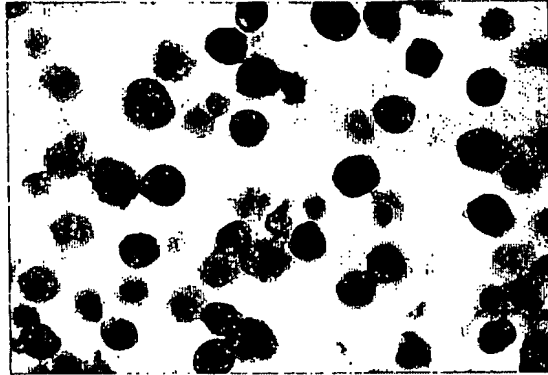
**Figure 22B**



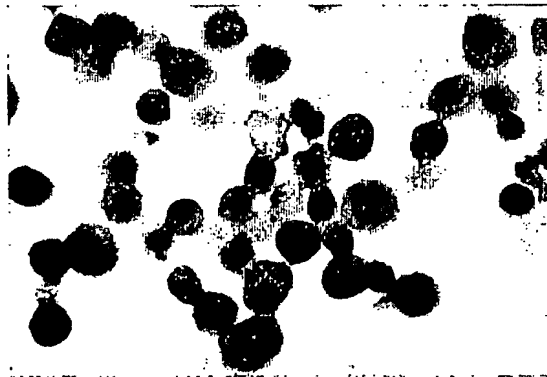
**Figure 23A**



**Figure 23B**

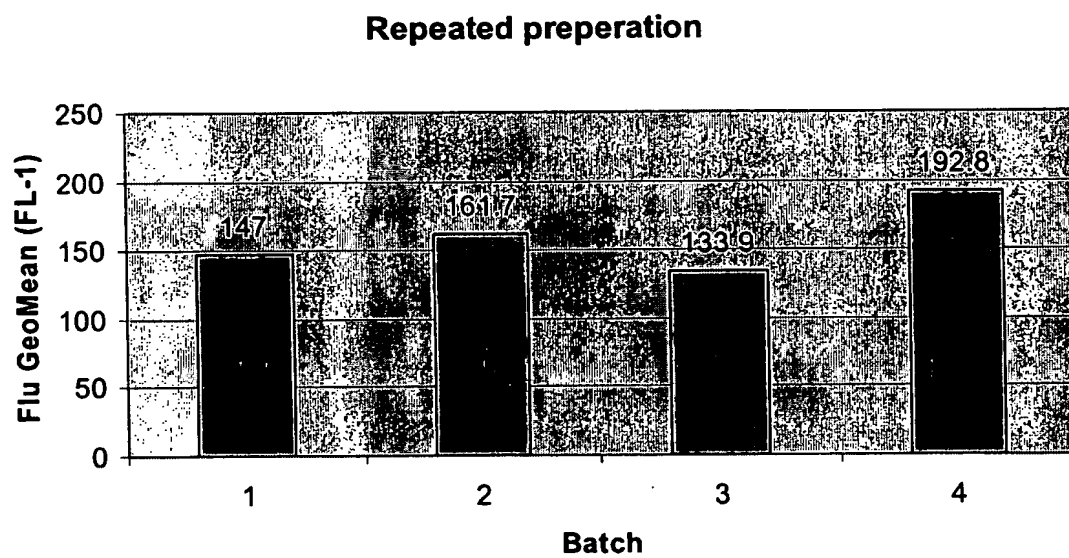


**Figure 23C**



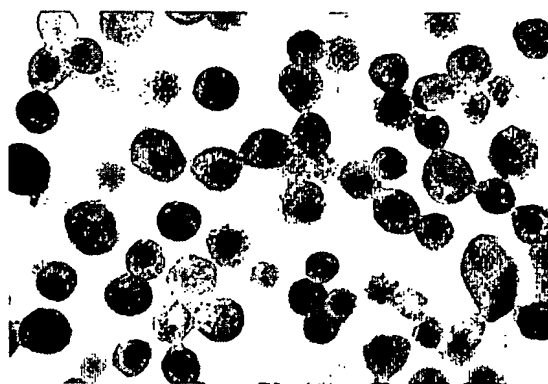
**Figure 23D**

30/62

**Figure 23E**



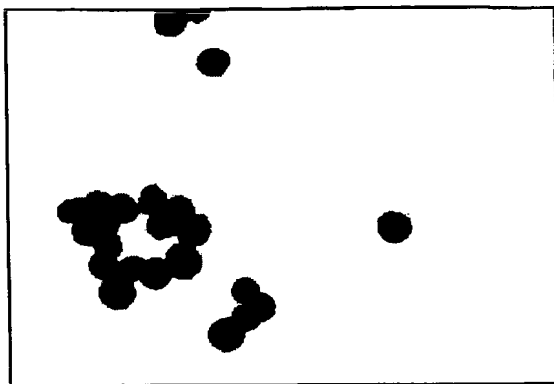
**Figure 24A**



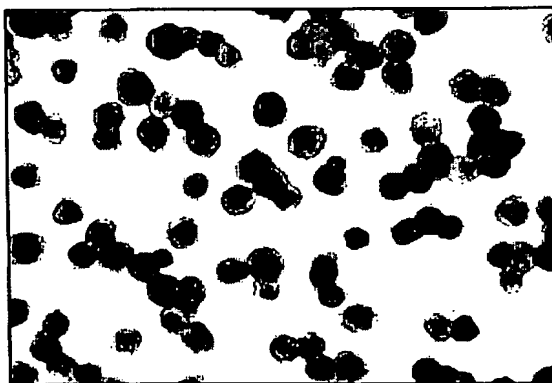
**Figure 24B**



**Figure 24C**

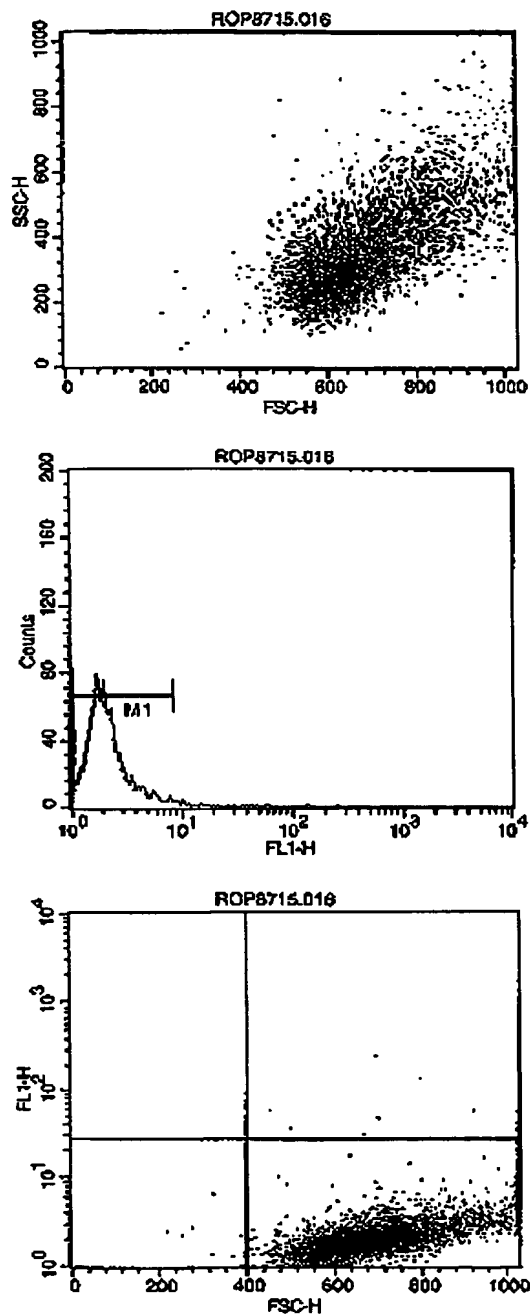


**Figure 25A**



**Figure 25B**





Histogram Statistics

File: ROP8715.016 Sample ID: KPI  
Acquisition Date: 27-Nov-01 Total Events: 5000  
X Parameter: FL1-H (Log) Smooths: 0

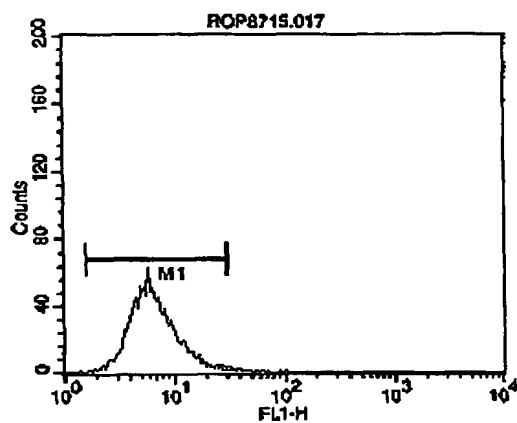
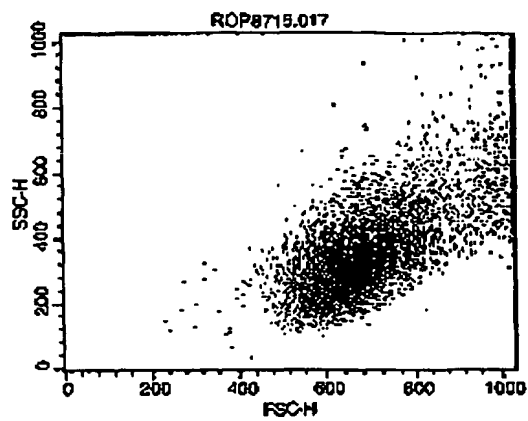
Marker	Left	Right	Events	Geo Mean
All	1	3910	5000	2.08
M1	1	9	4991	2.03

Quadrant Statistics

File: ROP8715.016 Sample ID: KPI  
Panel: Acquisition Date: 27-Nov-01  
Total Events: 5000 X Parameter: FSC-H (Linear)  
Y Parameter: FL1-H (Log)

Quad	Events	Y Geo Mean
UL	0	***
UR	10	58.40
LL	13	1.64
LR	4977	2.07

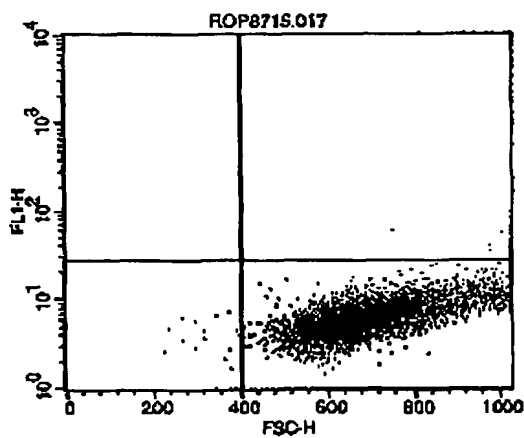
Figure 26



## Histogram Statistics

File: ROP8715.017 Sample ID: KPI  
 Acquisition Date: 27-Nov-01 Total Events: 5000  
 X Parameter: FL1-H (Log) Smooths: 0

Marker	Left	Right	Events	Geo Mean
All	1	9910	5000	6.27
M1	2	30	4966	6.20



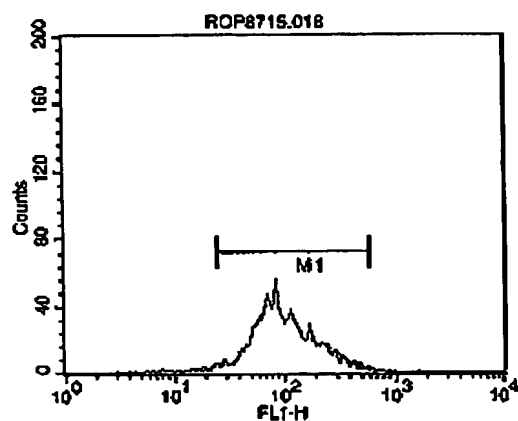
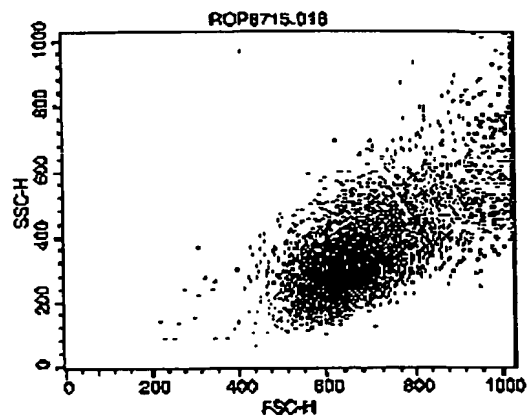
## Quadrant Statistics

File: ROP8715.017 Sample ID: KPI  
 Panel: Acquisition Date: 27-Nov-01  
 Total Events: 5000 X Parameter: FSC-H (Linear)  
 Y Parameter: FL1-H (Log)

Quad	Events	Y Geo Mean
UL	0	***
UR	40	38.76
LL	16	3.93
LR	4944	6.19

Figure 27

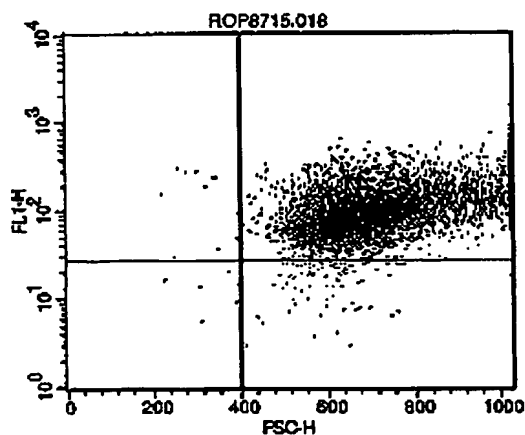
35/62



## Histogram Statistics

File: ROP8715.018 Sample ID: KPI  
 Acquisition Date: 27-Nov-01 Total Events: 5000  
 X Parameter: FL1-H (Log) Smooths: 0

Marker	Left, Right	Events	Geo Mean
All	1, 9910	5000	95.64
M1	25, 610	4902	98.35

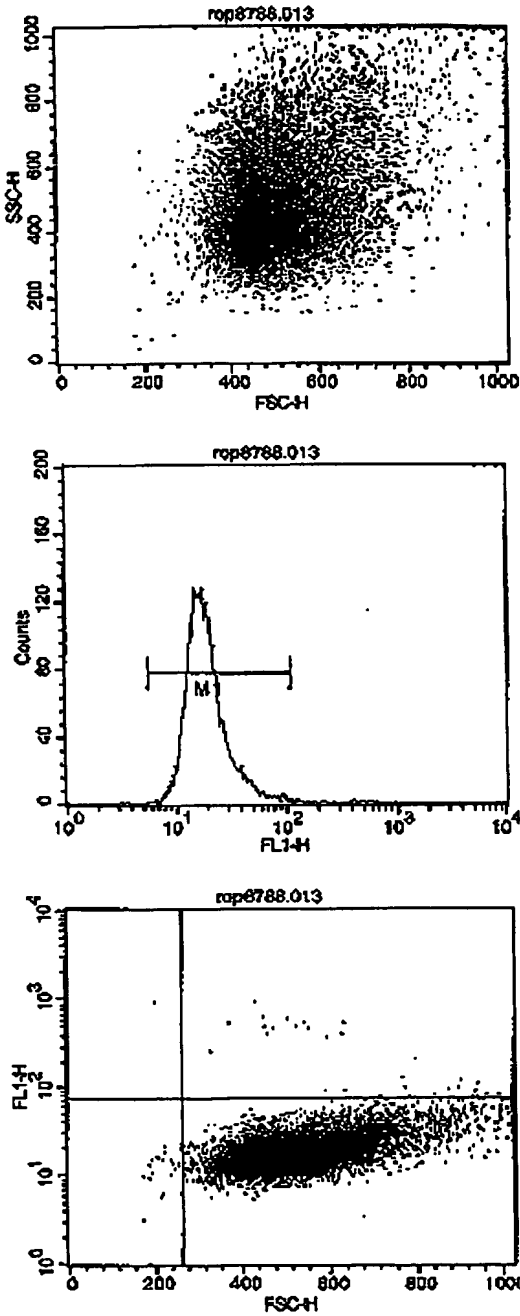


## Quadrant Statistics

File: ROP8715.018 Sample ID: KPI  
 Panel: Acquisition Date: 27-Nov-01  
 Total Events: 5000 X Parameter: FSC-H (Linear)  
 Y Parameter: FL1-H (Log)

Quad	Events	Y Geo Mean
UL	12	121.33
UR	4886	99.22
LL	6	12.37
LR	86	16.28

Figure 28



Histogram Statistics

File: rop8788.013      Sample ID: KPI HER2  
Acquisition Date: 19-Dec-01      Total Events: 10000  
X Parameter: FL1-H (Log)      Smooths: 0

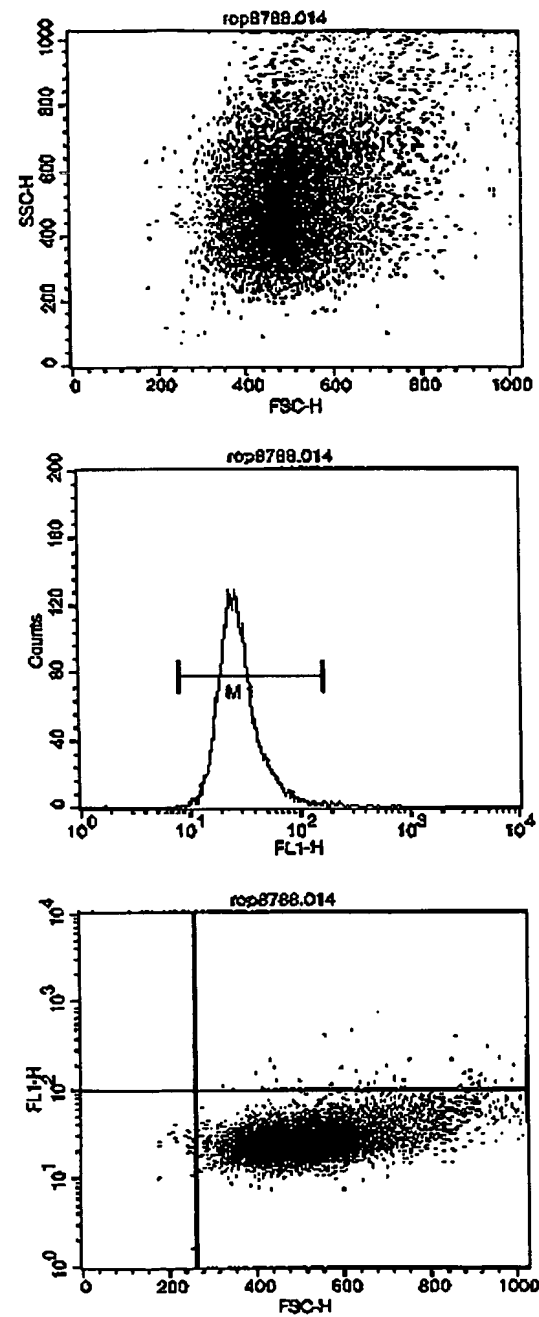
Marker	Left, Right	Events	Geo Mean
All	1, 9910	10000	18.45
M1	5, 111	9967	18.32

Quadrant Statistics

File: rop8788.013      Sample ID: KPI HER  
Panel: Untitled Acquisition Tube List      Acquisition Date: 19  
Total Events: 10000      X Parameter: FSC-H  
Y Parameter: FL1-H (Log)

Quad	Events	Y Geo Mean
UL	1	922.24
UR	81	128.91
LL	24	10.93
LR	9894	18.18

Figure 29



Histogram Statistics

File: rop8788.014      Sample ID: KPI HER2  
Acquisition Date: 19-Dec-01      Total Events: 10000  
X Parameter: FL1-H (Log)      Smooths: 0

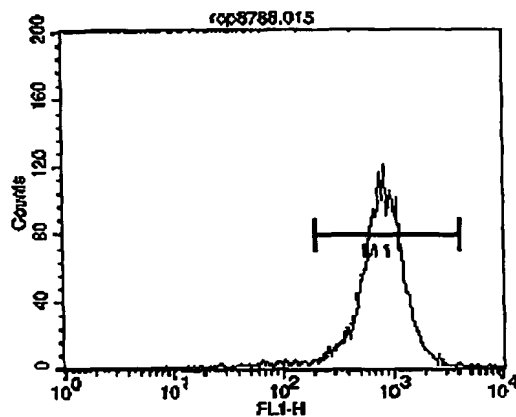
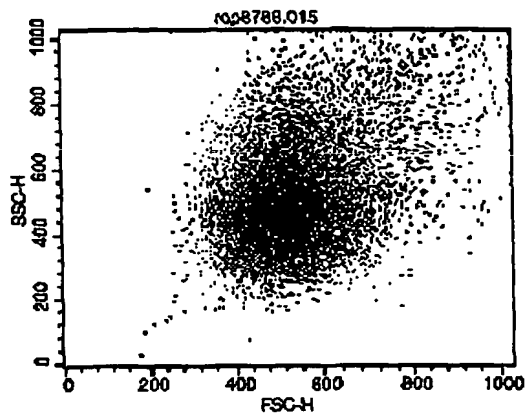
Marker	Left	Right	Events	Geo Mean
All	1	9910	10000	28.90
M1	8	164	9984	28.74

Quadrant Statistics

File: rop8788.014      Sample ID: KPI HER  
Panel: Untitled Acquisition Tube List      Acquisition Date: 19  
Total Events: 10000      X Parameter: FSC-H  
Y Parameter: FL1-H (Log)

Quad	Events	Y Geo Mean
UL	0	...
LR	80	185.87
LL	26	20.61
LR	9984	28.59

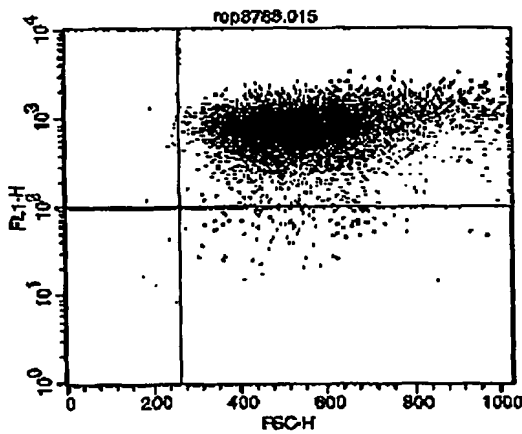
Figure 30



Histogram Statistics

File: rop8788.015      Sample ID: KPI HER2  
Acquisition Date: 18-Dec-01      Total Events: 10000  
X Parameter: FL1-H (Log)      Smooths: 0

Marker	Left, Right	Events	Geo Mean
All	1, 9910	10000	742.18
M1	204, 4148	9771	778.77



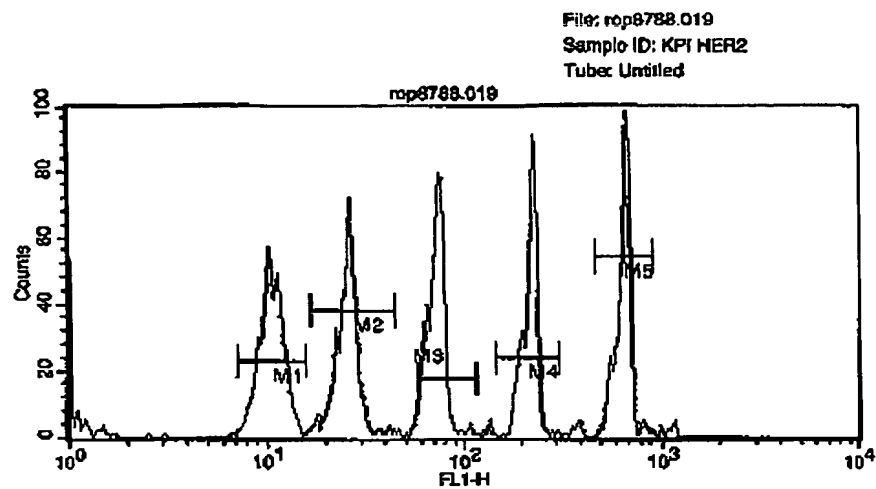
Quadrant Statistics

File: rop8788.015      Sample ID: KPI HER2  
Panel: Untitled Acquisition Tube List      Acquisition Date: 18  
Total Events: 10000      X Parameter: FSC-H  
Y Parameter: FL1-H (Log)

Quad	Events	Y Geo Mean
UL	12	711.56
UR	9885	782.79
LL	4	16.77
LR	89	58.47

Figure 31

39/62



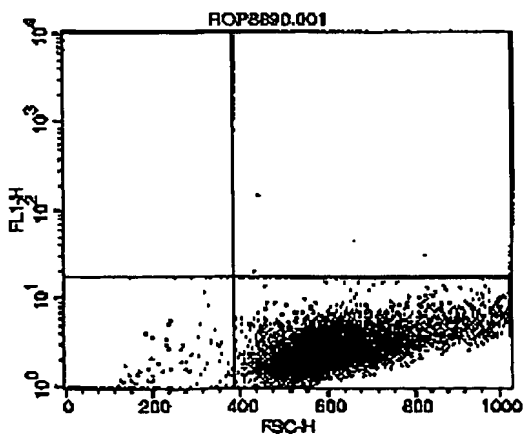
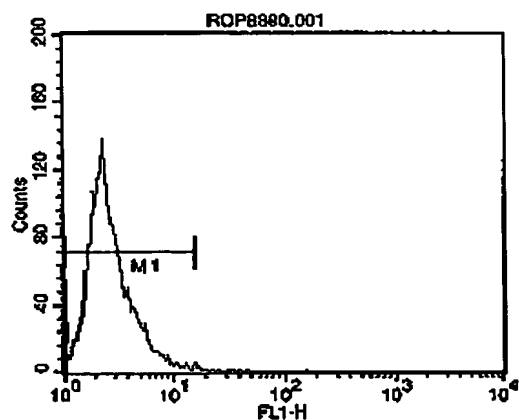
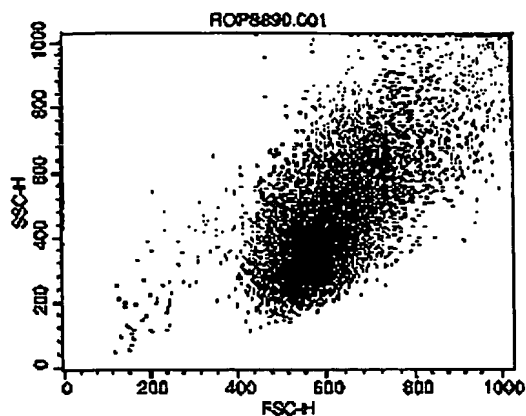
## Histogram Statistics

File: rop8788.019 Log Data Units: Linear Values  
 Sample ID: KPI HER2 Patient ID:  
 Tube: Untitled Panel: Untitled Acquisition Tube List  
 Acquisition Date: 19-Dec-01 Gate: G2  
 Gated Events: 8809 Total Events: 10000  
 X Parameter: FL1-H (Log)

Marker	Left, Right	% Gated	% Total	CV	Median	Peak Ch
All	1, 9910	100.00	89.09	148.18	30.51	1
M1	7, 16	17.96	16.00	13.07	10.55	10
M2	17, 45	16.39	14.60	14.05	25.71	26
M3	59, 117	16.99	15.14	9.86	72.34	74
M4	145, 302	15.48	13.79	8.24	216.74	220
M5	461, 914	15.12	13.47	8.95	637.80	661

Figure 32

40/62



## Histogram Statistics

File: ROP8890.001 Sample ID: celloforsog 14  
 Acquisition Date: 06-Feb-02 Total Events: 10000  
 X Parameter: FL1-H (Log) Smooths: 0

Marker	Left	Right	Events	Geo Mean
All	1	9910	10000	2.60
M1	1	18	9979	2.59

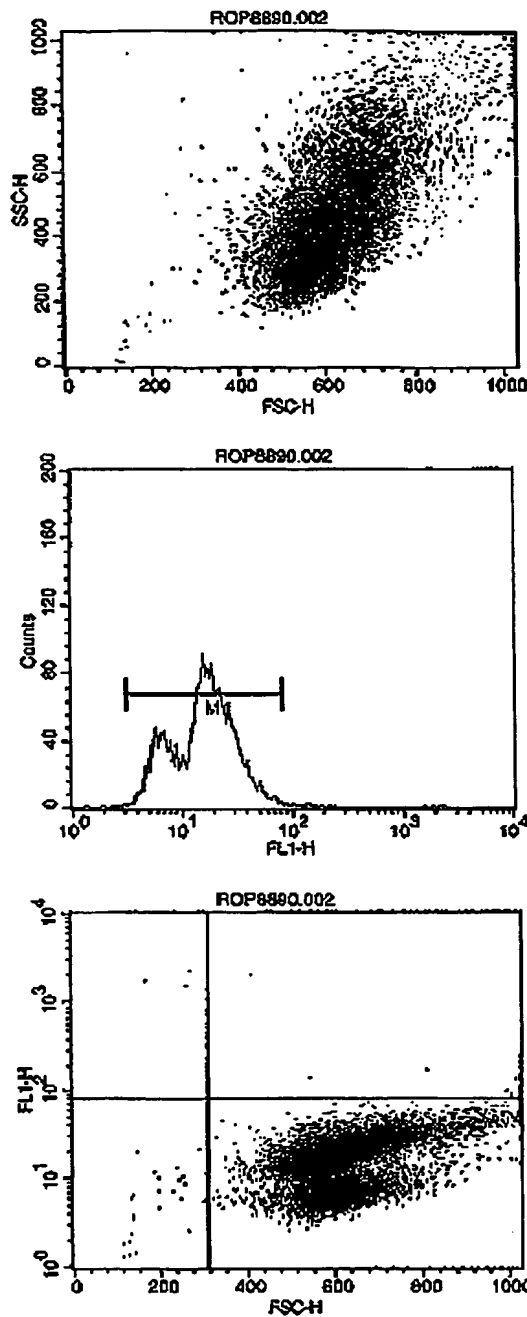
## Quadrant Statistics

File: ROP8890.001 Sample ID: celloforsog 14  
 Panel: Acquisition Date: 06-Feb-02  
 Total Events: 10000 X Parameter: FSC-H (Linear)  
 Y Parameter: FL1-H (Log)

Quad	Events	Y Geo Mean
UL	0	---
UR	13	29.38
LL	83	1.74
LR	9904	2.60

Figure 33





Histogram Statistics

File: ROP8890.002      Sample ID: callisforsog 14  
Acquisition Date: 08-Feb-02      Total Events: 10000  
X Parameter: FL1-H (Log)      Smooths: 0

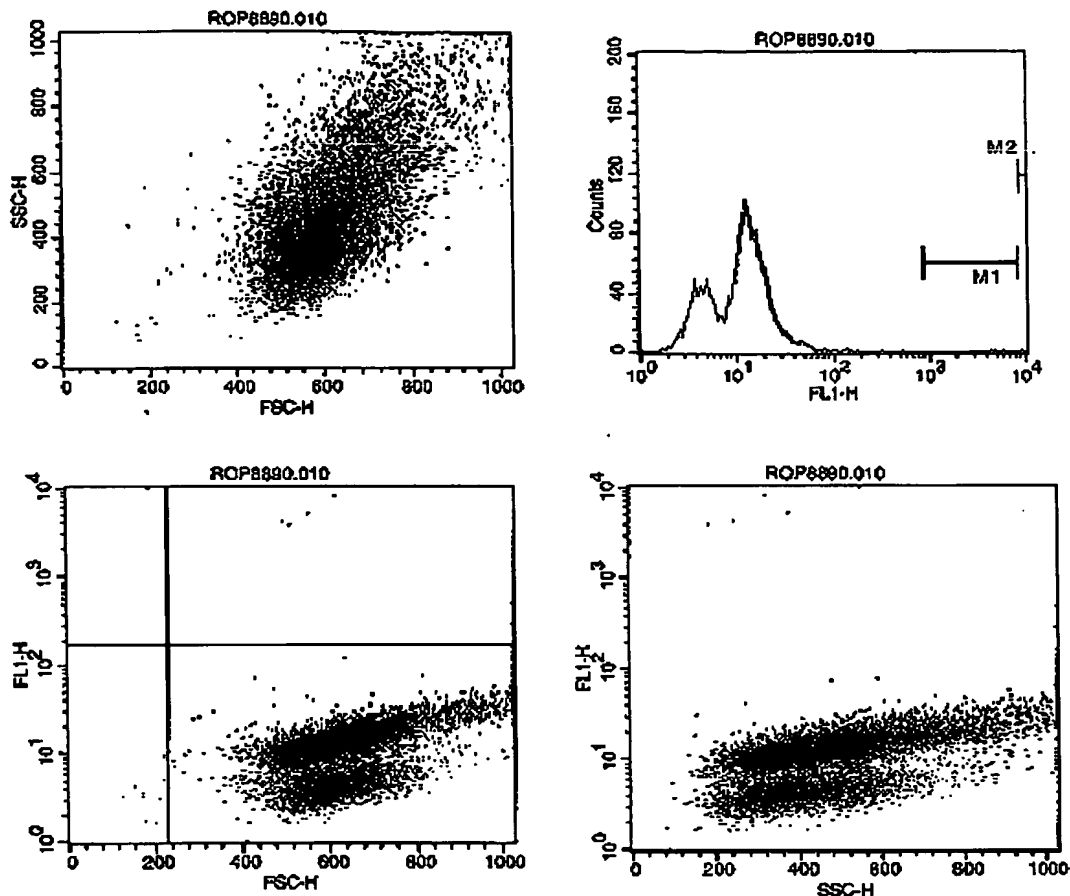
Marker	Left	Right	Events	Geo Mean
All	1	9910	10000	15.41
M1	3	81	9948	15.31

Quadrant Statistics

File: ROP8890.002      Sample ID: callisforsog 14  
Panel:      Acquisition Date: 08-Feb-02  
Total Events: 10000      X Parameter: FSC-H (Linear)  
Y Parameter: FL1-H (Log)

Quad	Events	Y Geo Mean
UL	3	1821.45
UR	36	123.85
LL	27	5.88
LR	9934	15.31

Figure 34



Quadrant Statistics

File: ROP8890.010  
Sample ID: colleforsog 14  
Tube:  
Acquisition Date: 06-Feb-02  
Gated Events: 10000  
X Parameter: FSC-H (Linear)  
Quad Location: 229, 172  
Log Data Units: Linear Values  
Patient ID:  
Panel:  
Gate: No Gate  
Total Events: 10000  
Y Parameter: FL1-H (Log)

File: ROP8890.010  
Total Events: 10000  
X Parameter: FL1-H (Log)

Marker	% Total	Mean
All	100.00	15.30
M1	0.04	5391.41
M2	0.01	8910.46

Quad	Events	% Gated	% Total	X Mean	X Geo Mean	Y Mean	Y Geo Mean
UL	1	0.01	0.01	188.00	188.00	8910.46	8910.46
UR	6	0.06	0.06	704.67	671.12	3726.70	2173.90
LL	9	0.09	0.09	183.11	180.36	3.95	3.47
LR	9984	99.84	99.84	620.82	612.68	12.08	9.87

Figure 35

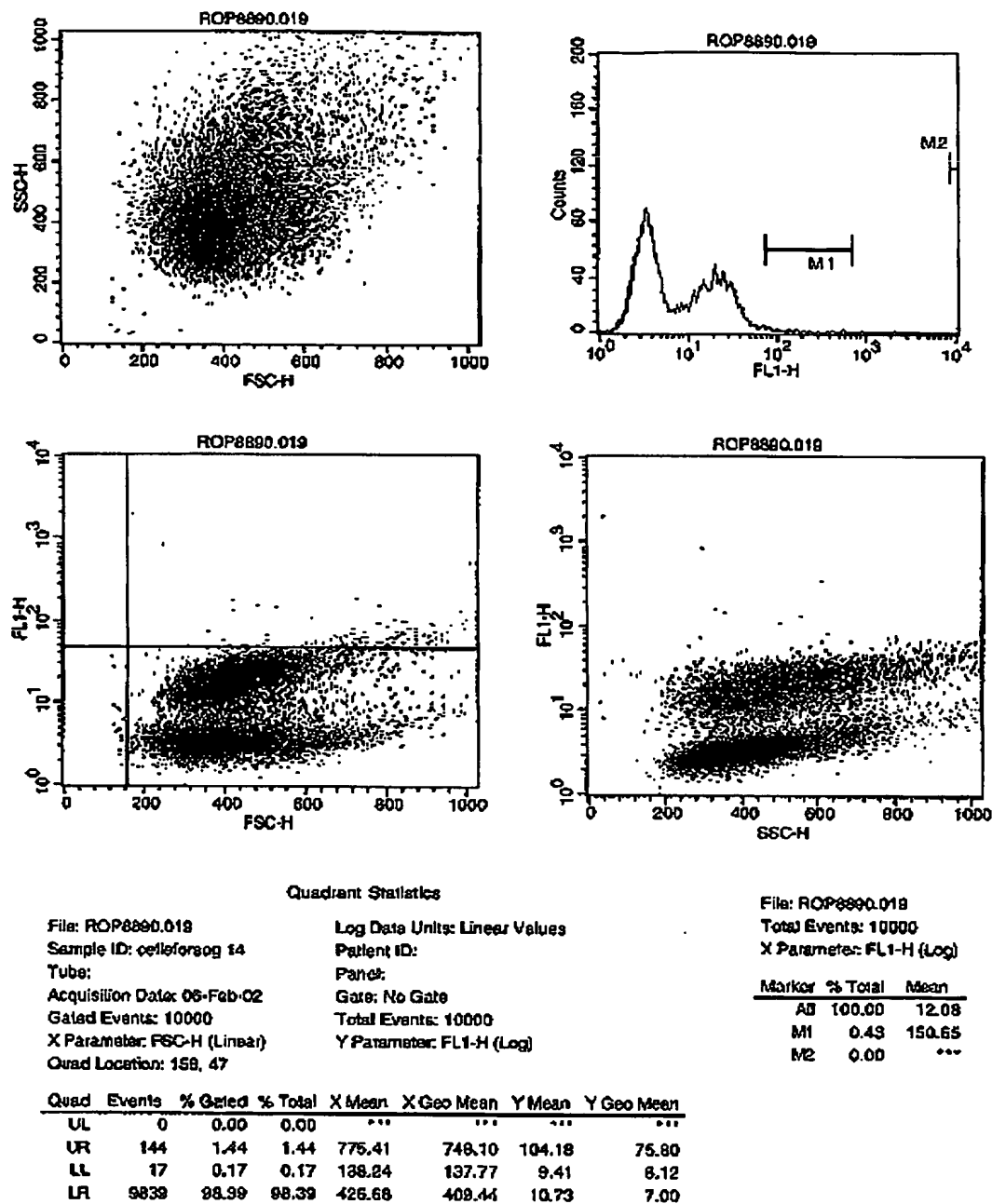


Figure 36

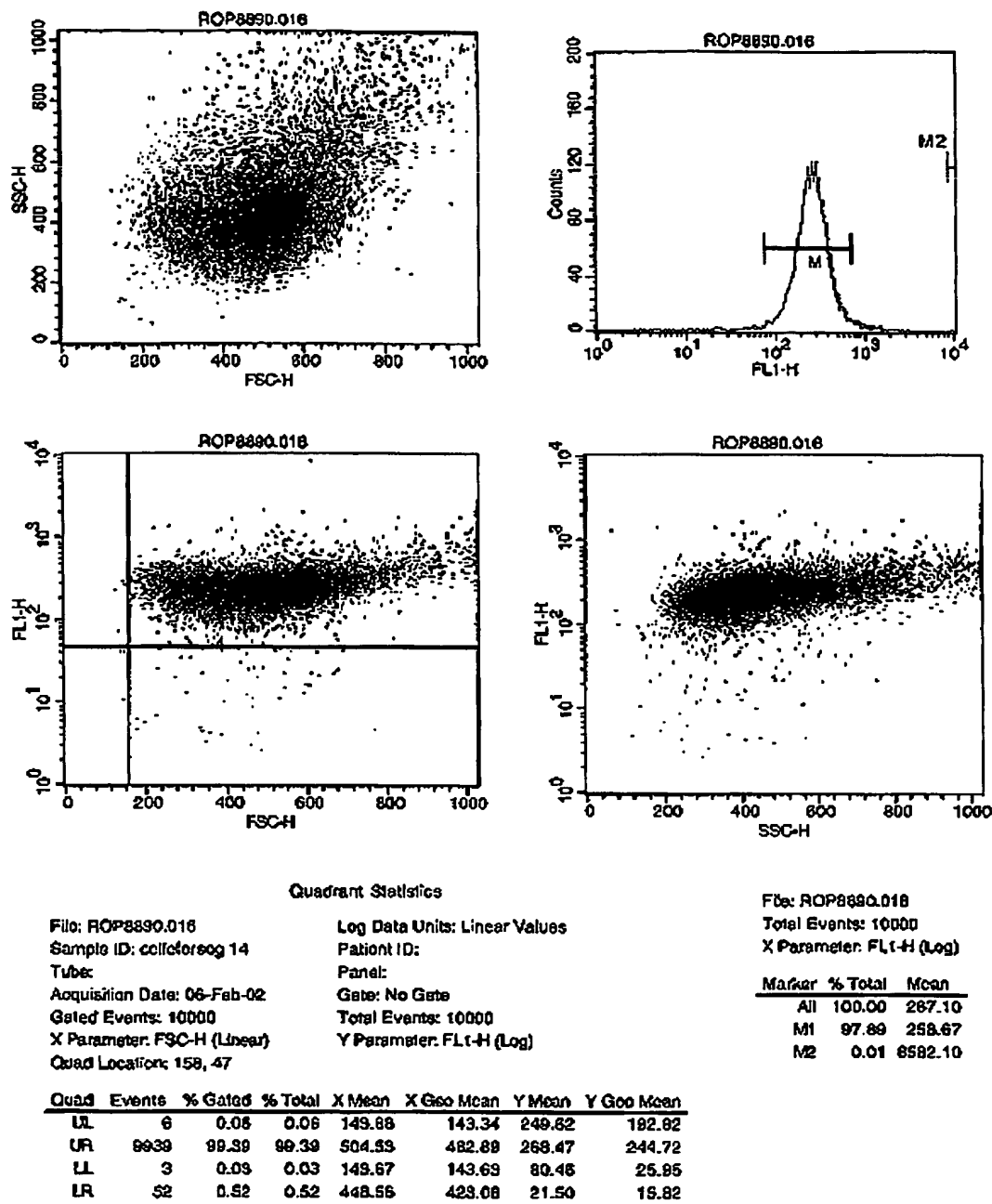
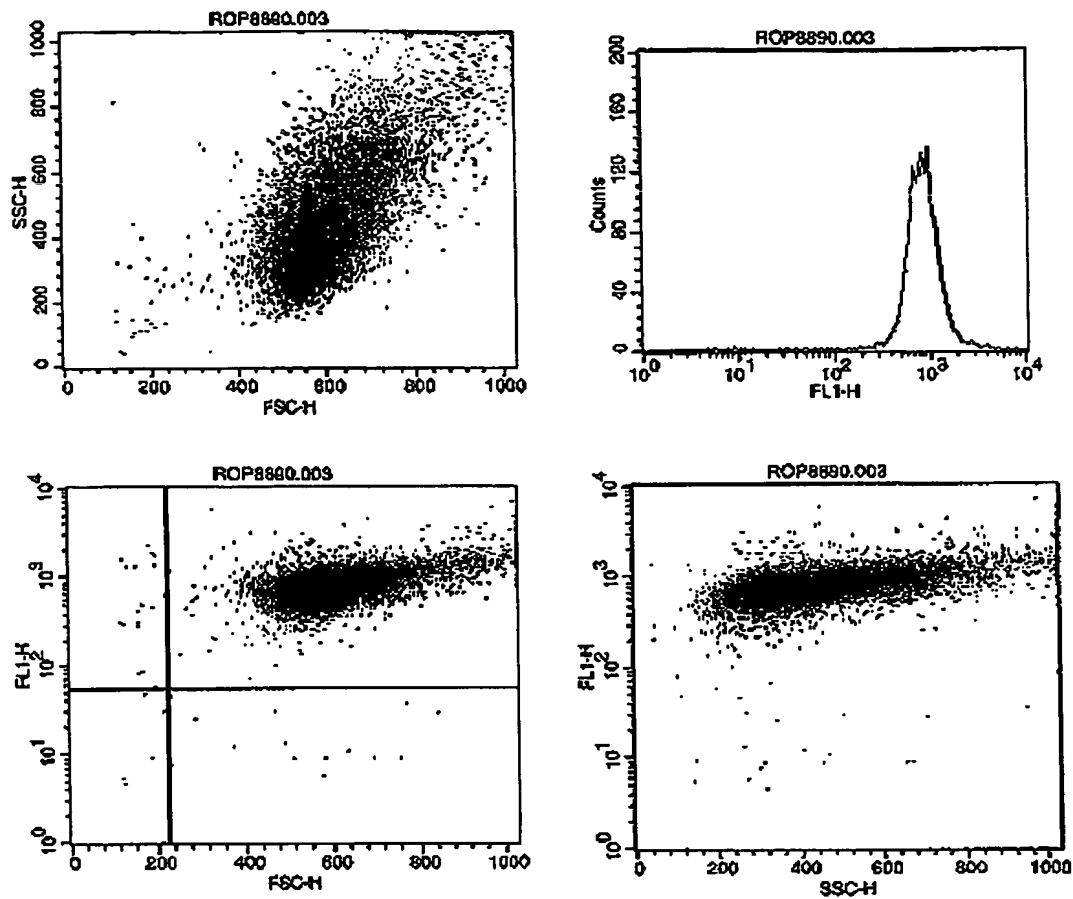


Figure 37

45/62



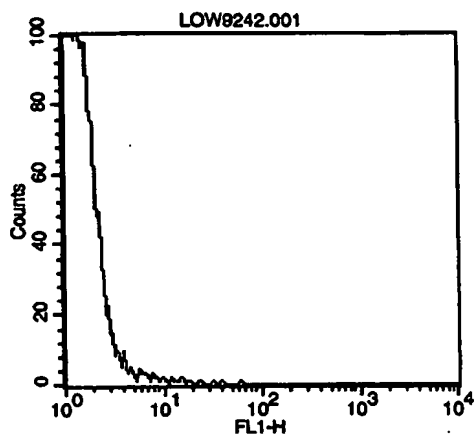
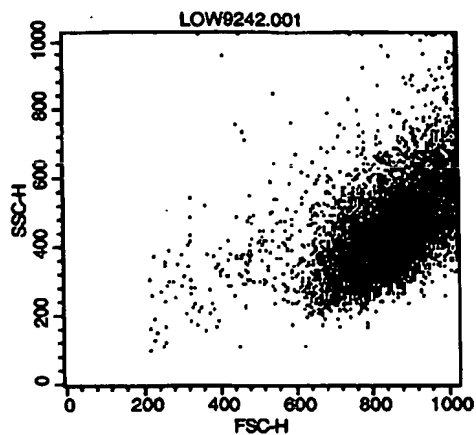
## Quadrant Statistics

File: ROP8890.003 Log Data Units: Linear Values  
 Sample ID: celleforsog 14 Patient ID:  
 Tube: Part#:   
 Acquisition Date: 06-Feb-02 Gate: No Gate  
 Gated Events: 10000 Total Events: 10000  
 X Parameter: FSC-H (Linear) Y Parameter: FL1-H (Log)  
 Quad Location: 225, 55

Quad	Events	% Gated	% Total	X Mean	X Geo Mean	Y Mean	Y Geo Mean
UL	18	0.18	0.18	165.78	163.26	820.37	505.82
UR	9862	99.62	99.62	617.90	609.75	834.34	782.71
LL	6	0.06	0.06	171.50	167.16	16.53	8.38
LR	14	0.14	0.14	532.29	492.26	17.84	14.34

Figure 38

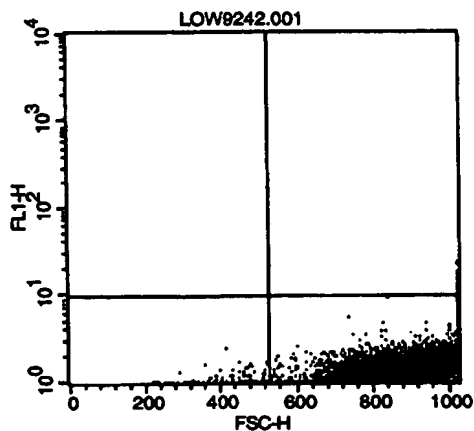
46/62



File: LOW9242.001  
Gate: No Gate  
X Parameter: FL1-H (Log)

Acquisition Date: 31-May-02  
Total Events: 10000

Marker	Events	% Total	Geo Mean
All	10000	100.00	1.43



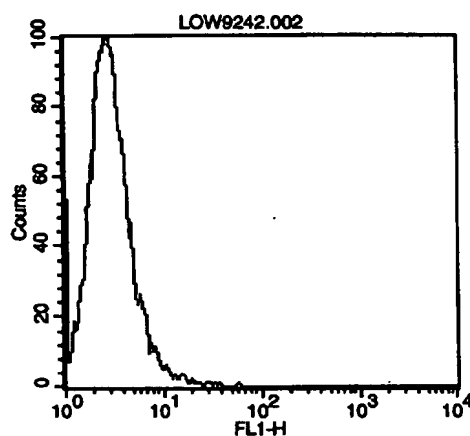
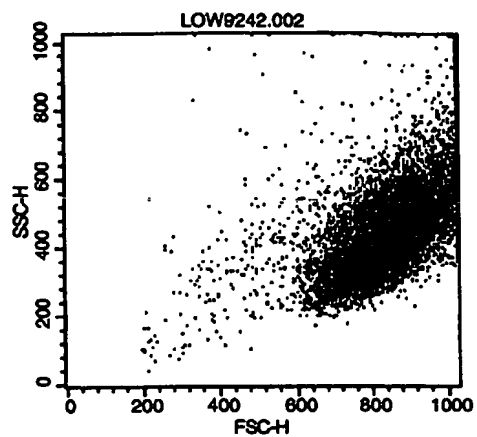
File: LOW9242.001  
Total Events: 10000  
Y Parameter: FL1-H (Log)

Acquisition Date: 31-May-02  
X Parameter: FSC-H (Linear)

Quad	Events	% Total	X Geo Mean
UL	0	0.00	***
UR	24	0.24	1001.84
LL	121	1.21	386.31
LR	9855	98.55	873.58

**Figure 39**

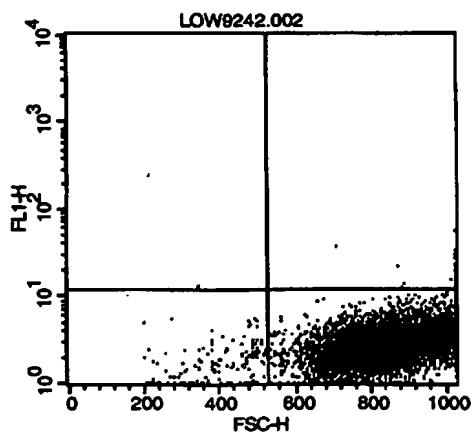
47/62



File: LOW9242.002  
Gate: No Gate  
X Parameter: FL1-H (Log)

Acquisition Date: 31-May-02  
Total Events: 10000

Marker	Events	% Total	Geo Mean
All	10000	100.00	2.82

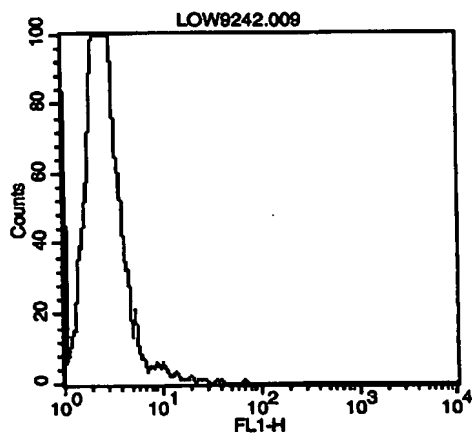
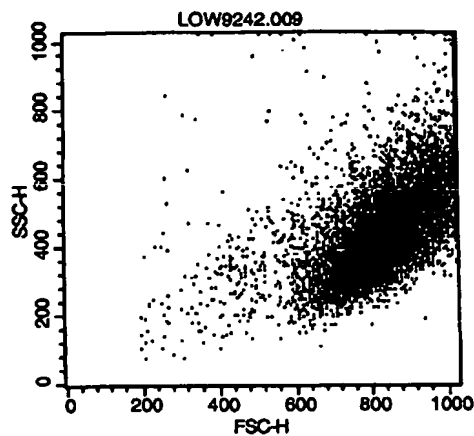


File: LOW9242.002  
Total Events: 10000  
Y Parameter: FL1-H (Log)

Acquisition Date: 31-May-02  
X Parameter: FSC-H (Linear)

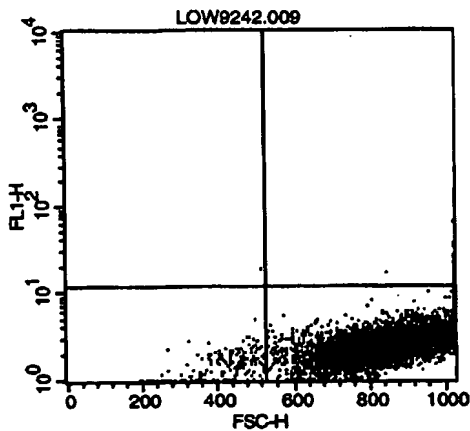
Quad	Events	% Total	X Geo Mean
UL	1	0.01	342.00
UR	58	0.58	1007.52
LL	147	1.47	384.07
LR	9798	97.98	853.52

Figure 40



File: LOW9242.009      Acquisition Date: 31-May-02  
Gate: No Gate      Total Events: 10000  
X Parameter: FL1-H (Log)

Marker	Events	% Total	Geo Mean
All	10000	100.00	2.54

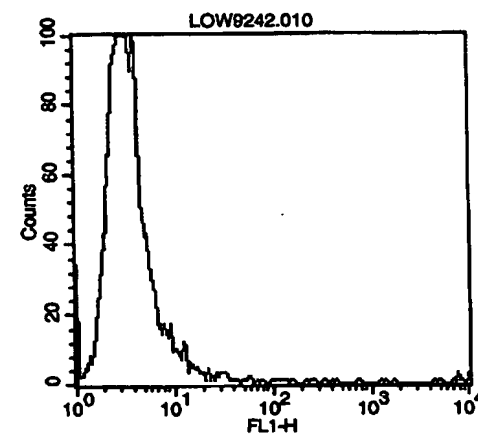
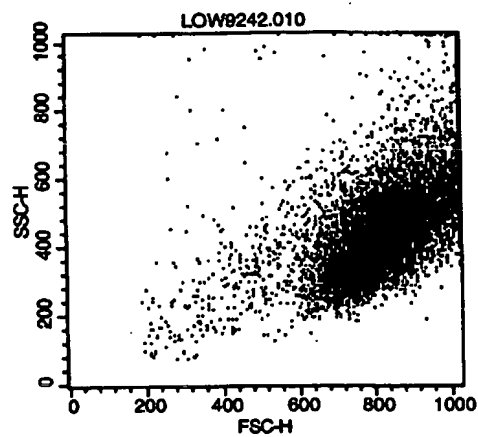


File: LOW9242.009      Acquisition Date: 31-May-02  
Total Events: 10000      X Parameter: FSC-H (Linear)  
Y Parameter: FL1-H (Log)

Quad	Events	% Total	X Geo Mean
UL	1	0.01	512.00
UR	41	0.41	1018.09
LL	179	1.79	389.00
LR	9779	97.79	850.20

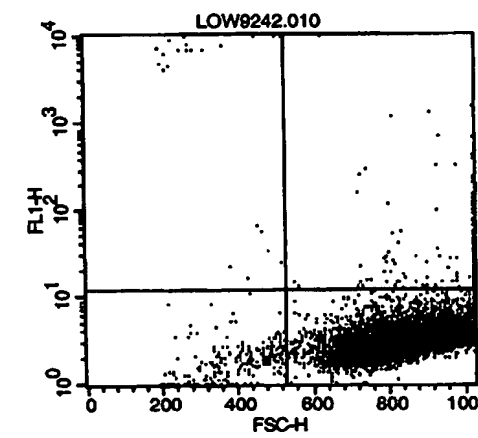
Figure 41





File: LOW9242.010      Acquisition Date: 31-May-02  
Gate: No Gate      Total Events: 10000  
X Parameter: FL1-H (Log)

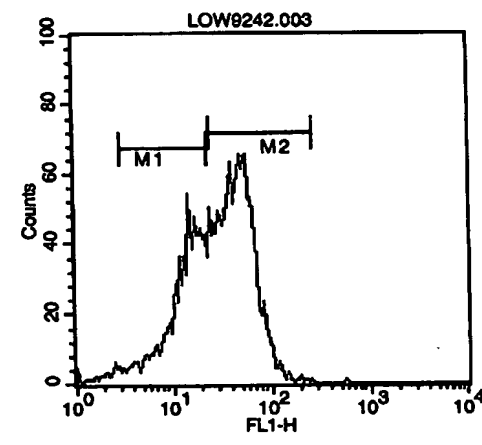
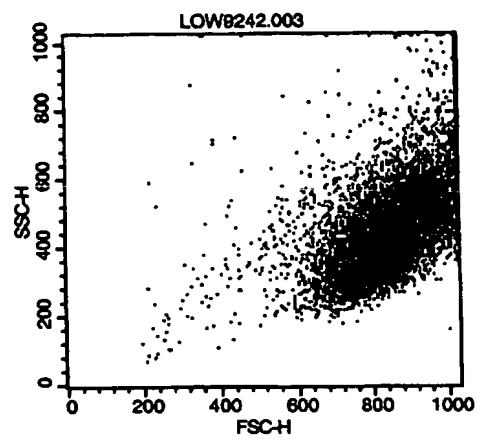
Marker	Events	% Total	Geo Mean
All	10000	100.00	3.50



File: LOW9242.010      Acquisition Date: 31-May-02  
Total Events: 10000      X Parameter: FSC-H (Linear)  
Y Parameter: FL1-H (Log)

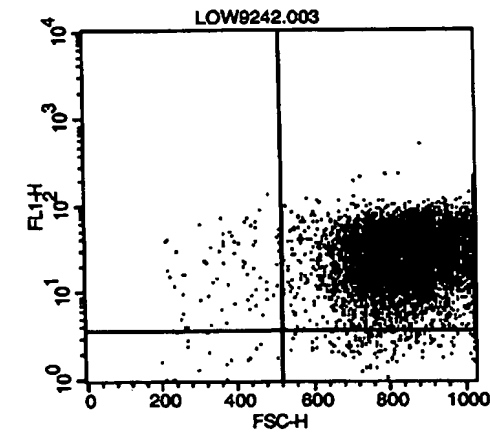
Quad	Events	% Total	X Geo Mean
UL	22	0.22	319.62
UR	259	2.59	975.38
LL	214	2.14	381.36
LR	9505	95.05	844.55

Figure 42



File: LOW9242.003      Acquisition Date: 31-May-02  
Gate: No Gate      Total Events: 10000  
X Parameter: FL1-H (Log)

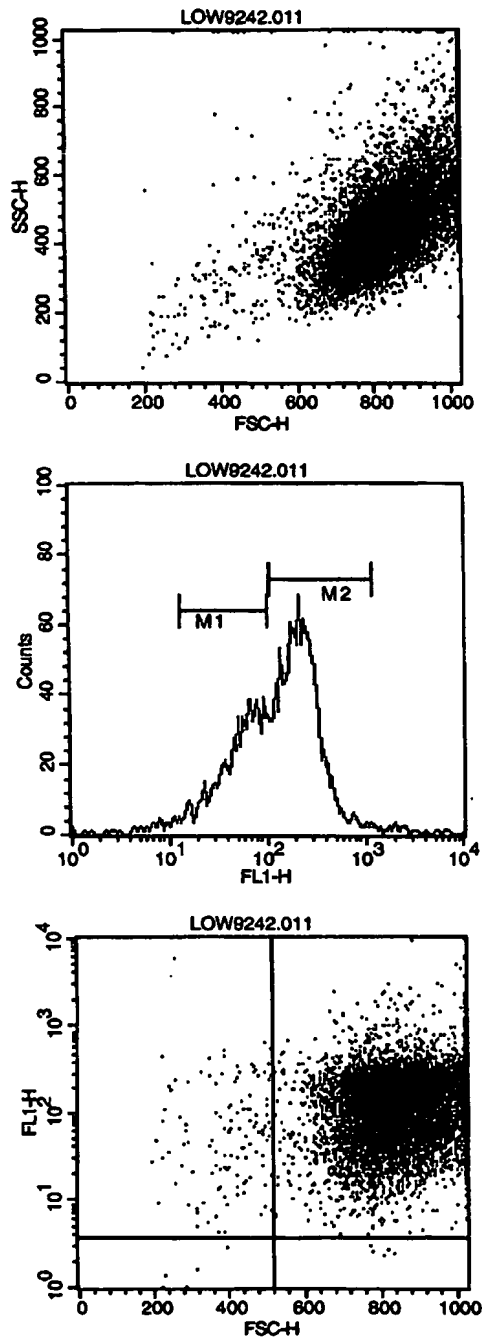
Marker	Events	% Total	Geo Mean
All	10000	100.00	27.44
M1	3565	35.65	12.92
M2	6188	61.88	44.31



File: LOW9242.003      Acquisition Date: 31-May-02  
Total Events: 10000      X Parameter: FSC-H (Linear)  
Y Parameter: FL1-H (Log)

Quad	Events	% Total	X Geo Mean
UL	70	0.70	371.38
UR	9781	97.81	864.77
LL	19	0.19	324.63
LR	150	1.50	790.97

Figure 43



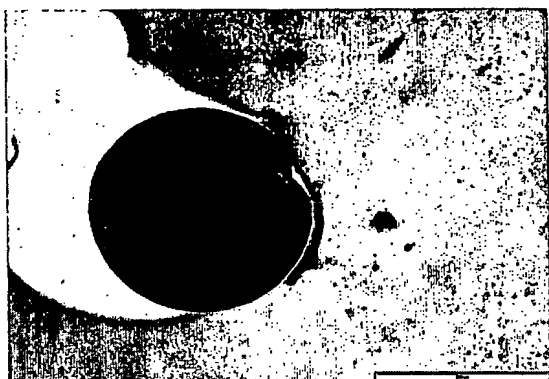
File: LOW9242.011      Acquisition Date: 31-May-02  
Gate: No Gate      Total Events: 10000  
X Parameter: FL1-H (Log)

Marker	Events	% Total	Geo Mean
All	10000	100.00	121.62
M1	3666	36.66	51.53
M2	6998	69.98	213.90

File: LOW9242.011      Acquisition Date: 31-May-02  
Total Events: 10000      X Parameter: FSC-H (Linear)  
Y Parameter: FL1-H (Log)

Quad	Events	% Total	X Geo Mean
UL	120	1.20	383.93
UR	9870	98.70	856.49
LL	5	0.05	280.19
LR	5	0.05	797.08

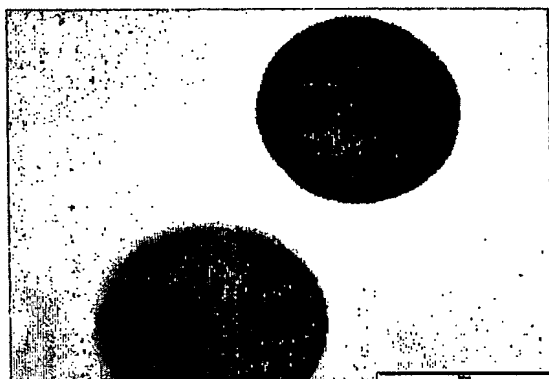
Figure 44



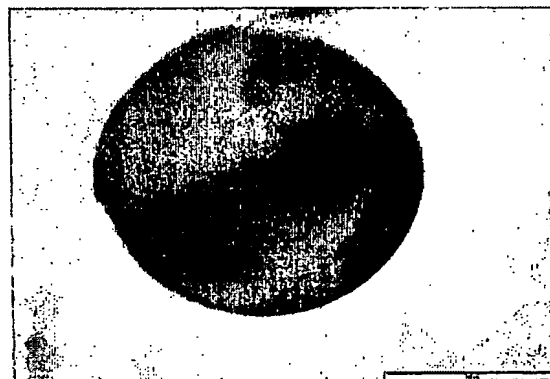
**Figure 45 A**



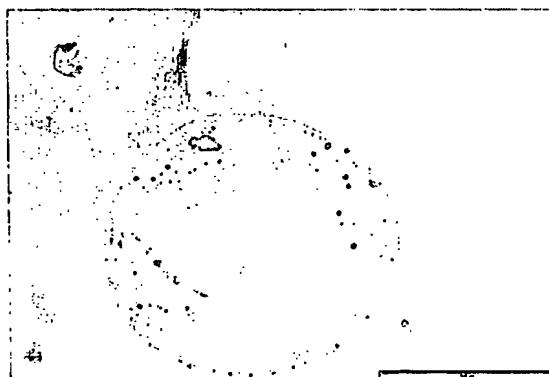
**Figure 45 B**



**Figure 45 C**

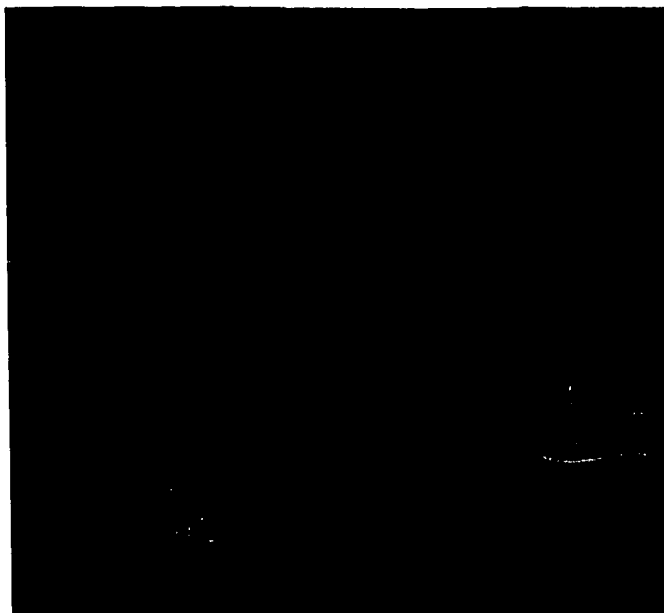


**Figure 45 D**

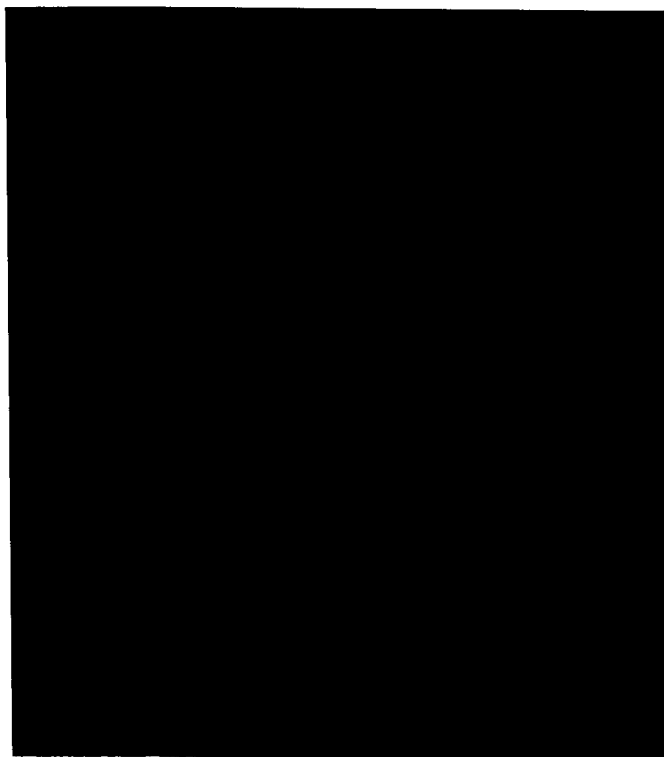


**Figure 45 E**

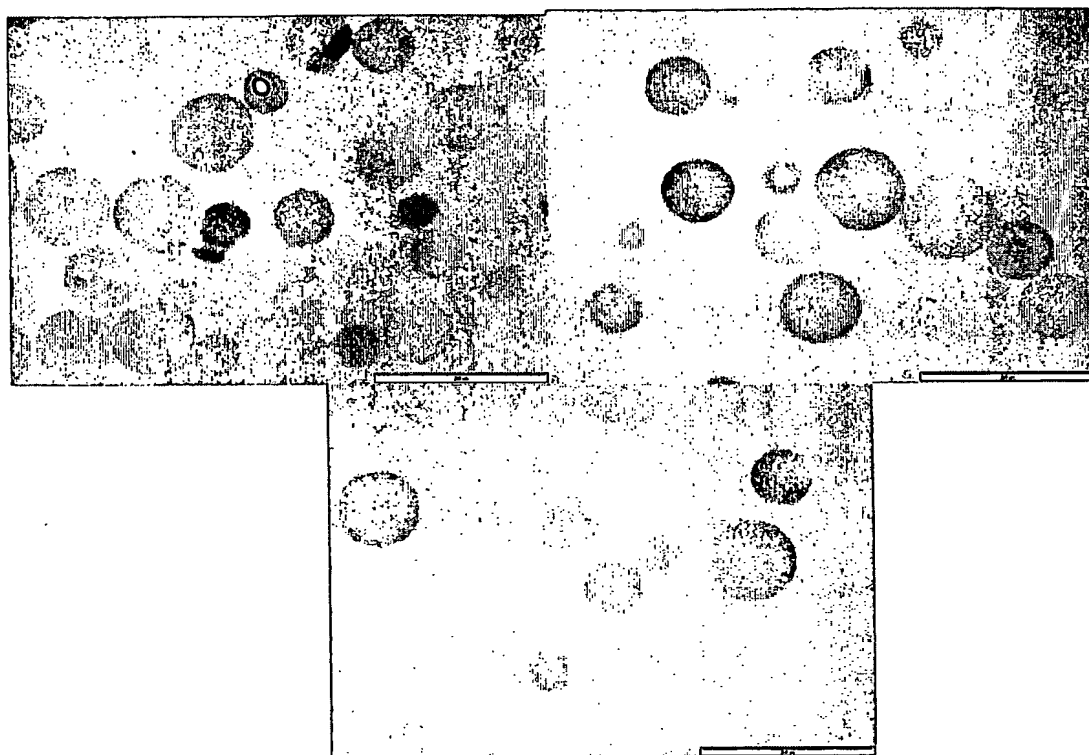
53/62



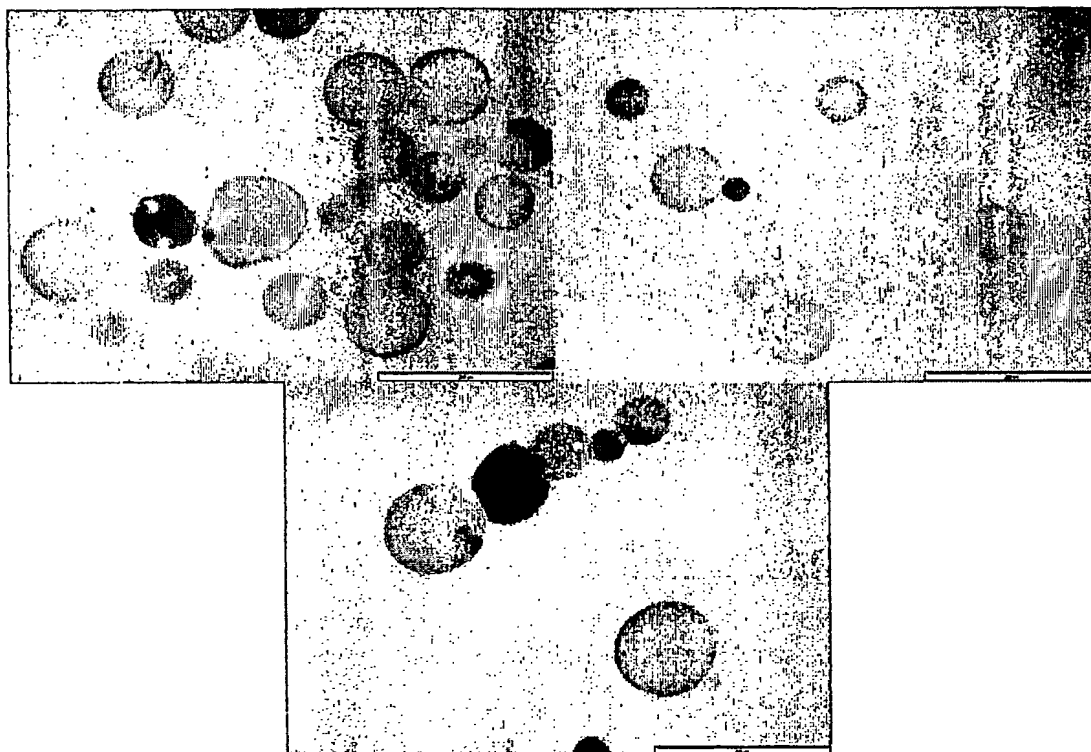
**Figure 45 F**



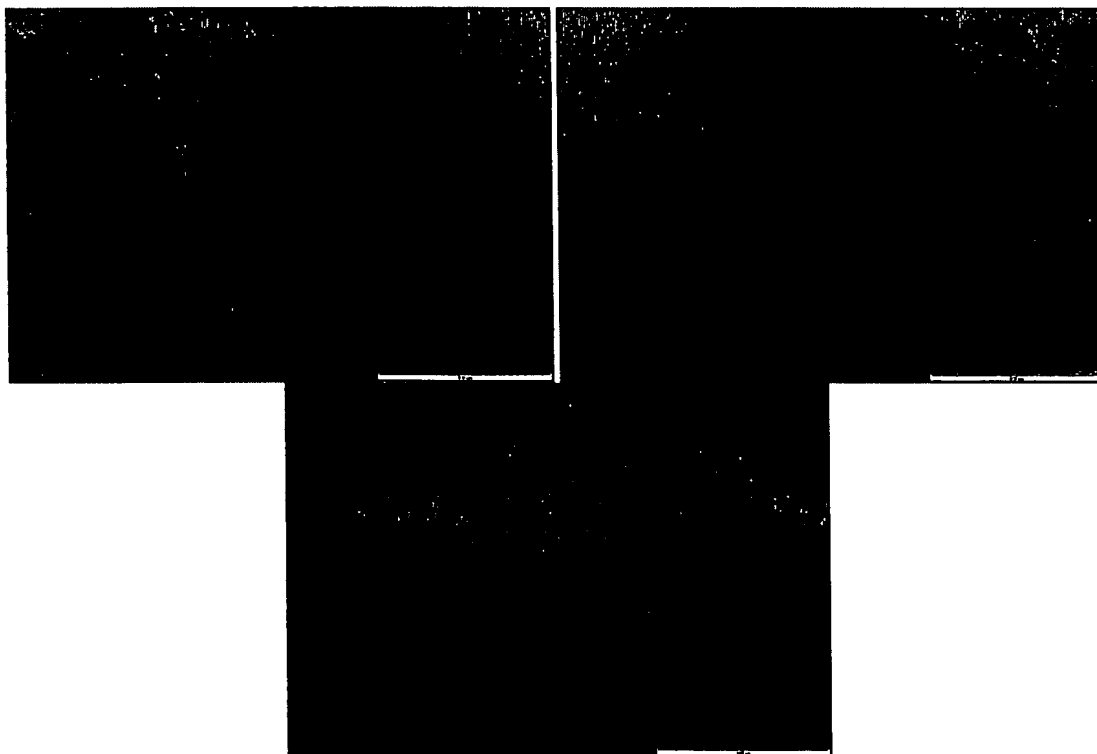
**Figure 45 G**



**Figure 46 A**



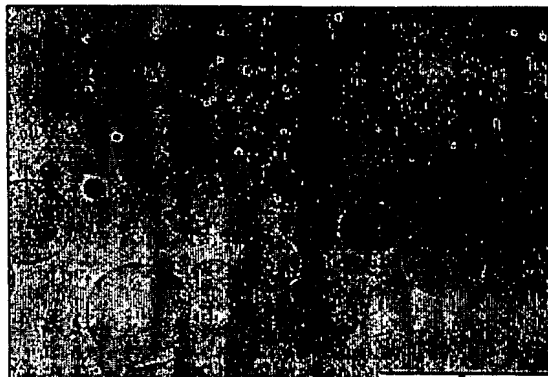
**Figure 47 A**



**Figure 47 B**



57/62



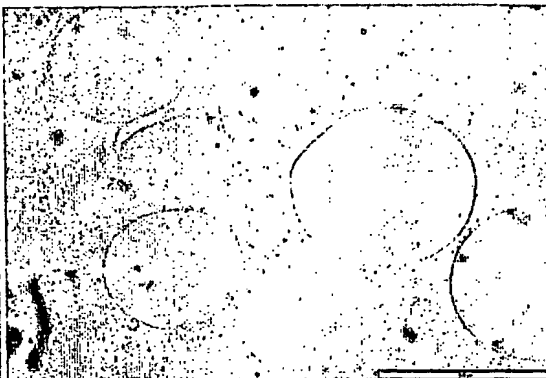
**Figure 48 A**



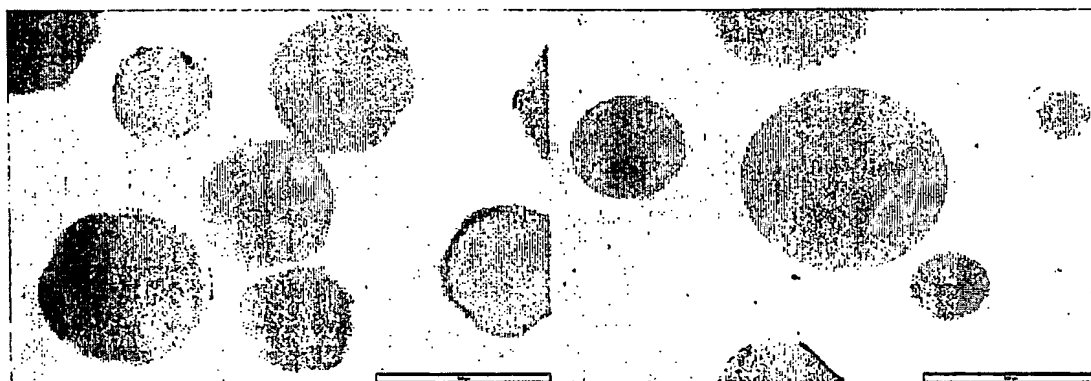
**Figure 48 B**



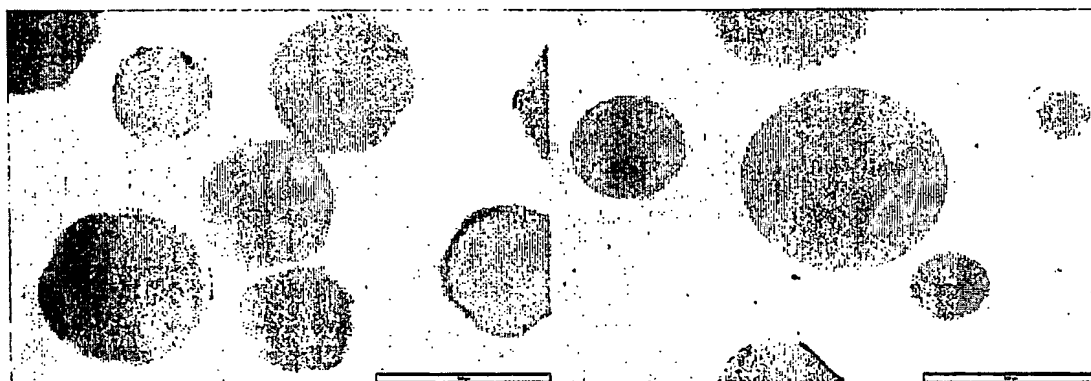
**Figure 49 A**



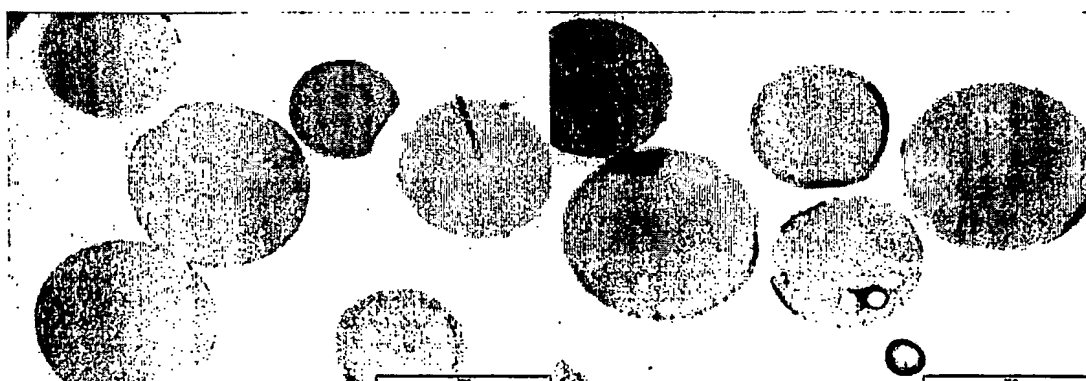
**Figure 49 B**



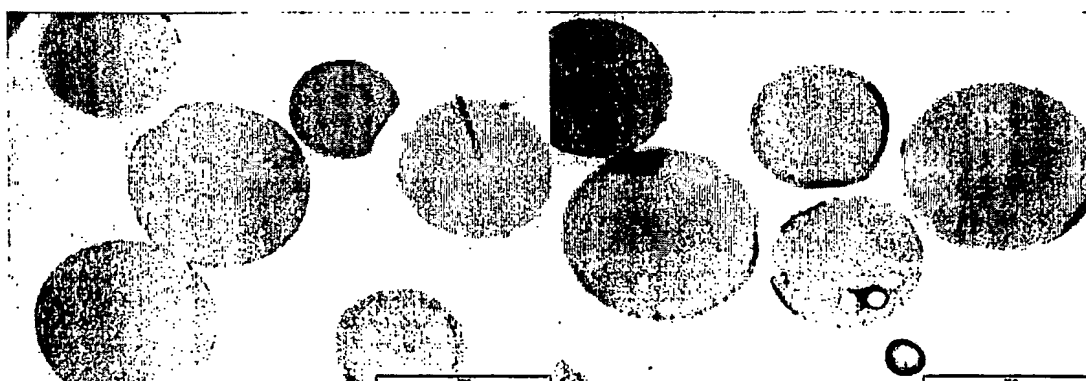
**Figure 49 C**



**Figure 49 D**



**Figure 49 E**

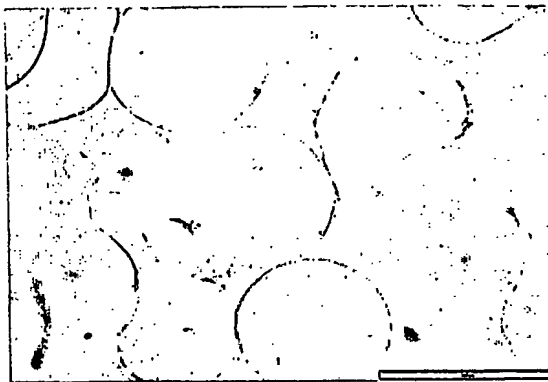


**Figure 49 F**

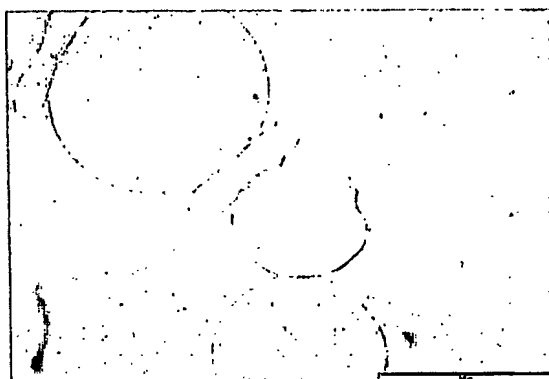
.....



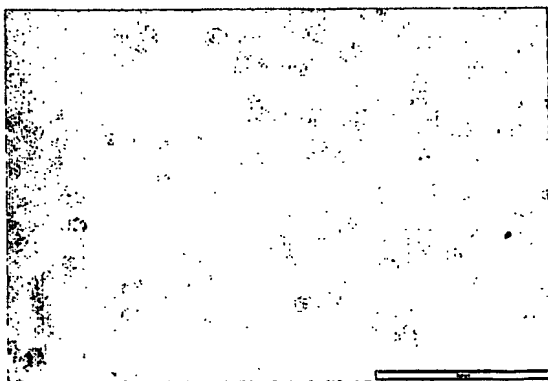
**Figure 50 A**



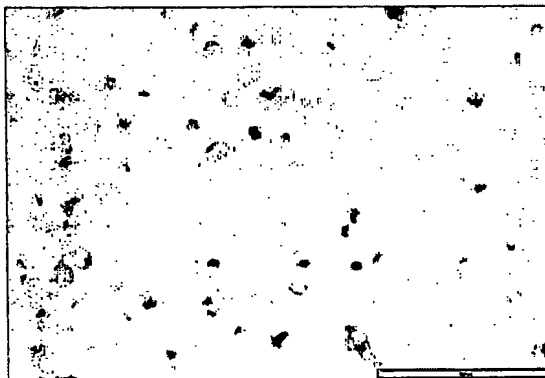
**Figure 50 B**



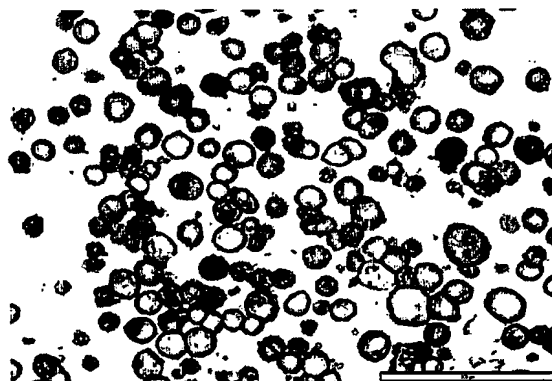
**Figure 50 C**



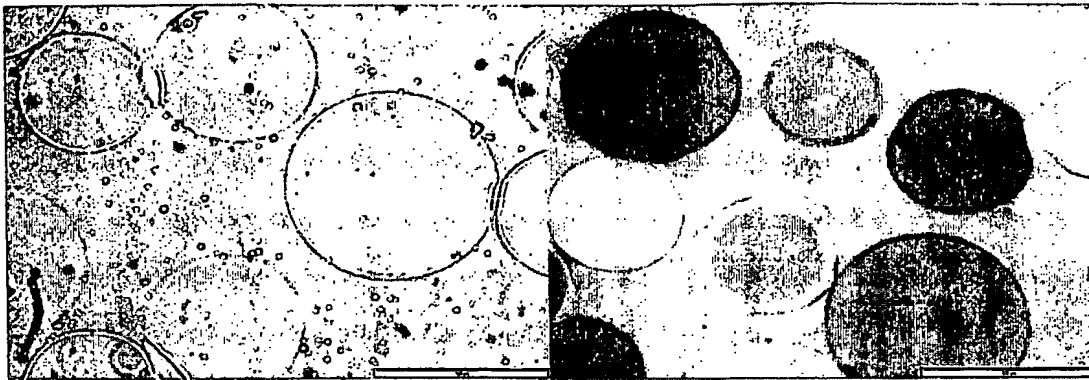
**Figure 50 D**



**Figure 50 E**

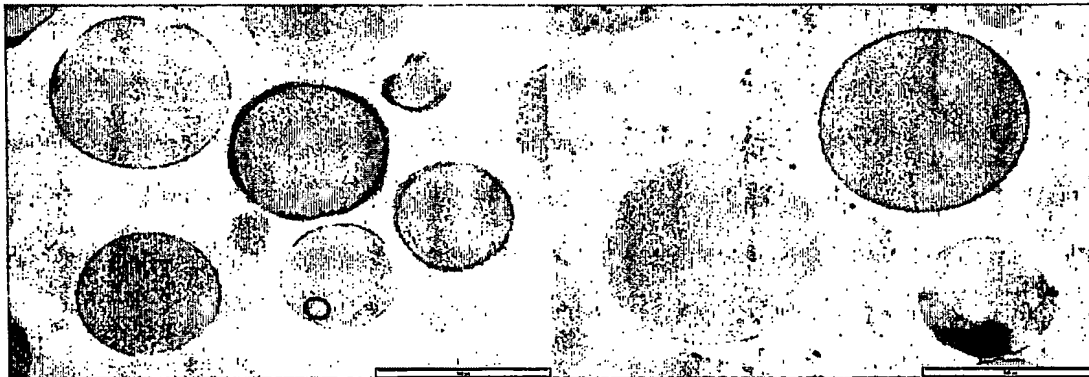


**Figure 50 F**



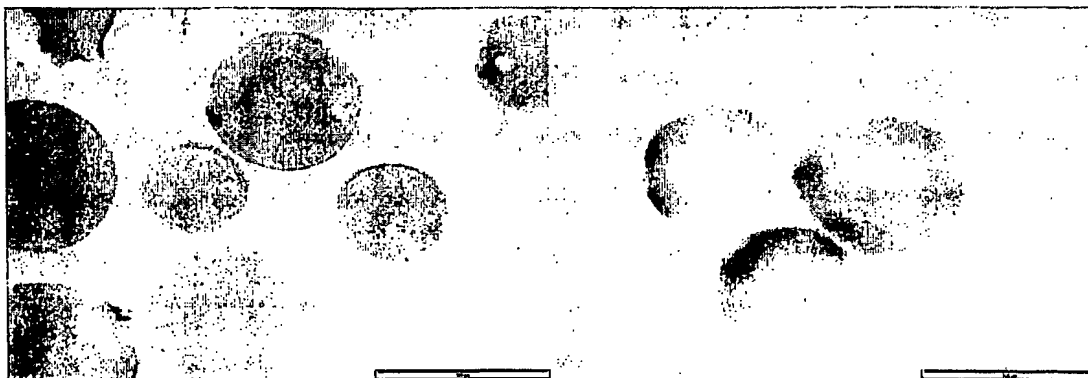
**Figure 51 A**

**Figure 51 B**



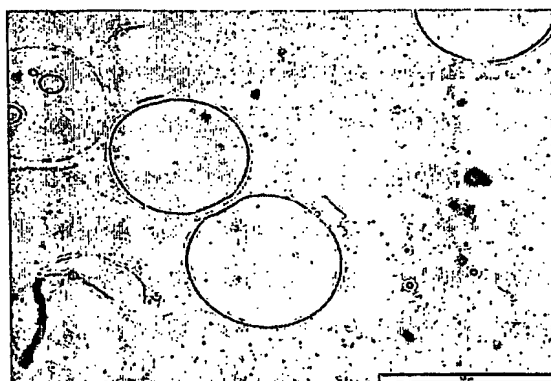
**Figure 51 C**

**Figure 51 D**



**Figure 51 E**

**Figure 51 F**



**Figure 52 A**



**Figure 52 B**



**Figure 52 C**

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

☐ **BLACK BORDERS**

☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**

☐ **FADED TEXT OR DRAWING**

☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**

☐ **SKEWED/SLANTED IMAGES**

☒ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**

☐ **GRAY SCALE DOCUMENTS**

☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**

☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**

☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**